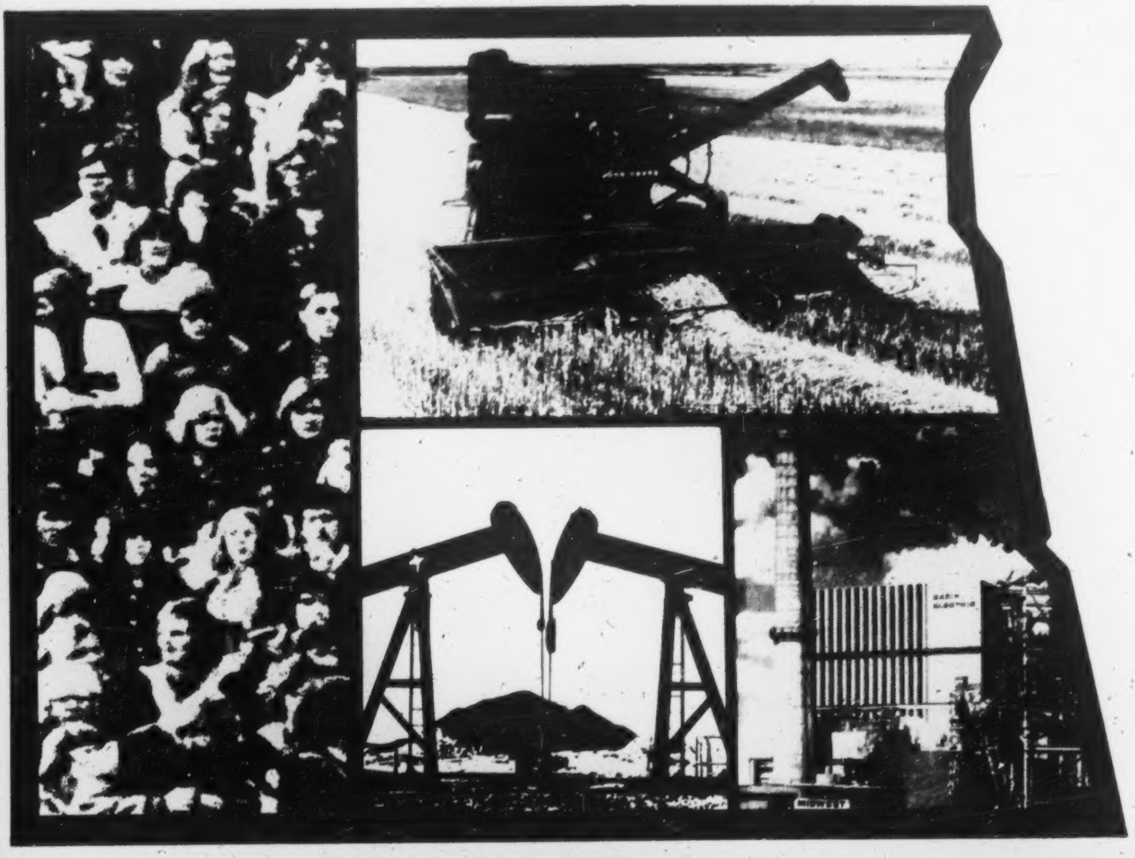
Prepared by:
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
University of North Dakota

In Cooperation With:
NORTH DAKOTA ECONOMIC DEVELOPMENT COMMISSION and
NORTH DAKOTA OFFICE OF INTERGOVERNMENTAL ASSISTANCE

Third Edition

Statistical Abstract of North Dakota 1988



STATISTICAL
ABSTRACT
OF
NORTH DAKOTA
1988

Prepared by
BUREAU OF BUSINESS AND ECONOMIC RESEARCH
UNIVERSITY OF NORTH DAKOTA

Funded by
NORTH DAKOTA ECONOMIC DEVELOPMENT COMMISSION

and
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INTERGOVERNMENTAL ASSISTANCE

and
COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION
UNIVERSITY OF NORTH DAKOTA

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BUREAU OF BUSINESS AND ECONOMIC RESEARCH
UNIVERSITY OF NORTH DAKOTA

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1988

Third Edition, July 1988

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Grand Forks, North Dakota
Summer 1988

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INTRODUCTION

The third edition of the *North Dakota Statistical Abstract 1988* is a reality due to its popularity among its users. The response to the 1979 and 1983 editions has been enthusiastic and positive. Users inside the state, in other states, and outside the country, have told us the *Abstract* is the best single reference volume on the State of North Dakota, specifically the land, people, economy, and government. The *Abstract* has been identified by economic development specialists an efficient source of information on communities, counties, and the state's economy.

The purpose of the *Abstract* is to provide the reader or researcher with ready access to a wide variety of data which would otherwise require locating and consulting many different sources, most of which are from federal agencies, some from state agencies, and a few from private non-profit associations or corporations. The major value of the *Abstract* then, is convenience. A value derived from this is the benefit provided in the form of a compendium of sources. A user can not only acquire basic data about the state but also a list of sources for further consultation.

The guiding criterion used in the construction of all three editions of this work has been to utilize the most recent and complete sources of information. This means that we have relied on official publications of government or private agencies charged with collecting and maintaining current and historical data files on a particular subject. The decision as to which data to present on any particular subject has followed the two-fold goal of providing the most recent data possible as well as sufficient historical data to allow the user to form a perspective on the underlying trend in that particular data series. The goals include emphasizing both current and historical needs for information. A user needing historical or time series data on a particular subject is advised to consult the former edition of the *Abstract* so as to gain a longer time frame. This reflects the policy used in constructing the current and former edition of supplying the most recent of the historical data at five or ten year comparisons.

Data are presented at various levels of aggregation. State-level data are frequently compared with data for other states especially states within the North Central Region. Whenever possible, county-level data have been provided to facilitate evaluation and comparison of counties. Whenever possible, data has been given for the state's fifteen largest municipalities.

As with the former editions, this edition presents enough maps to help orient the user to North Dakota and provide a spatial perspective for county and regional comparisons. The Geography and Climate section presents maps illustrating the geological and climatological characteristics of the state, the first step in economic geography. North Dakota is an excellent example of the principle that the land defines the economic activities of its people.

*A new feature of this edition of the *Abstract* is its availability on microfiche and computer diskettes. The current edition is offered in these different forms in hopes of meeting the needs of all our users, from libraries to researchers, to students needing a quick reference work.

The differences between this edition and the second edition are minor and few. Tight budgets at both the federal and state level have forced the elimination of some data series. Tight budgets in the state's economy during the eighties resulted in the cessation of published data sources in a few areas. In these cases data was drawn from the original file, usually computer tape, on which the data is stored. Should these publications be continued in the future the source for the information contained herein will revert back to these published sources.

The usual warnings about using and interpreting the data are offered. The data contained in this edition, like former editions, are either census data or sample data. The former are more reliable than the latter due to the fact that census data are based on a complete enumeration of the population of items of interest. This allows us to use this data with greater confidence to statistically describe the population of items. Data drawn by sampling techniques must be used with greater caution. Sampling data is more prone to errors, or bias, due to the fact that only a part of the population is studied. All data included in the *Abstract* are from sources where professional statisticians have been consulted on sample design. Thus users can feel confident in sample data, that sampling techniques were used specifically designed to minimize error or bias.

Users should also be aware that discrepencies sometimes exist between similar data from different sources. These differences are most often due to differences in definitions, assumptions, and collection methodologies. The user will have to consult, in these cases, the original sources cited to determine the causes of these differences.

This edition of the *Abstract* has been made possible through the financial assistance of a number of state government agencies and institutions. First, the grant to purchase the labor necessary to update the tables was provided by the North Dakota Economic Development Commission and the North Dakota Office of Intergovernmental Assistance. Second, the grant necessary to purchase the labor to enter the data and print the tables was supplied by the Bureau of Business and Economic Research at the University of North Dakota. Third, the grant necessary to pay the printing and binding expenses was supplied by the Office of the Dean, College of Business and Public Administration, University of North Dakota. The project would not have been possible without this financial assistance.

This edition of the *Abstract* has been made possible only through the labor of many individuals inside and outside the state. The labor of the people collecting, processing, and publishing the data in the federal government, state government, and private associations and corporations is essential to a publication such as this. All of them shall remain nameless in this edition, because there is not enough space to thank everyone. The libraries and their staffs must also be mentioned. One of the great values of our public libraries is the information they contain. Virtually all the sources cited herein are available at one of the three main libraries in the state: The University of North Dakota, North Dakota State University, and the North Dakota State Library.

Comments by users regarding the scope and content of this edition will be greatly appreciated. This feedback is essential to tailoring the *Abstract* to fit the needs of our users. Suggestions for changes should be directed to the project editor who is also responsible for any errors or omissions contained herein.

Bulent Uyar, Director
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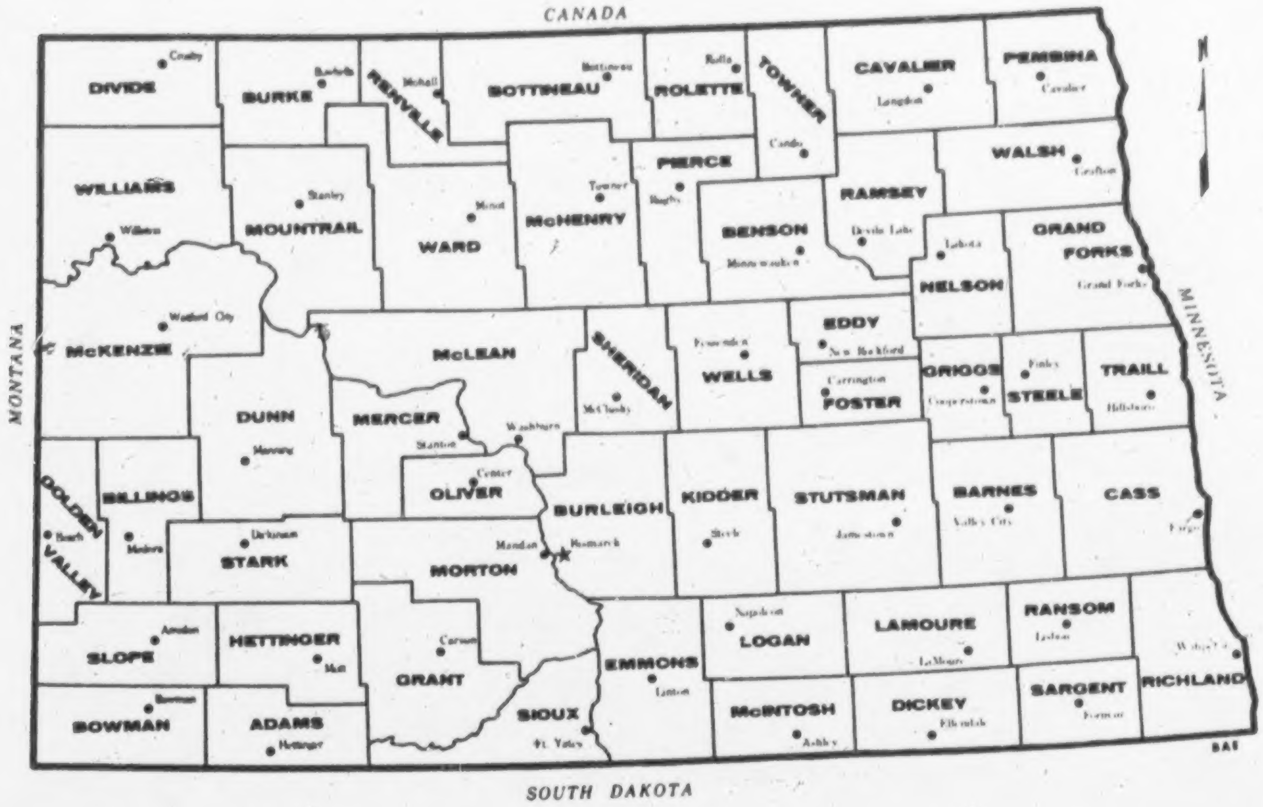
NORTH DAKOTA COUNTIES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Stanley
WARD
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McHENRY
Towner
PIERCE
Rugby
BENSON
Minnewaukan
RAMSEY
Devils Lake
WALSH
Grafton
NELSON
Lakota
GRAND FORKS
Grand Forks
McKENZIE
Watford City
McLEAN
Washburn
SHERIDAN
McClusky
WELLS
Fessenden
EDDY
New Rockford
FOSTER
Carrington
GRIGGS
Cooperstown
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Amidon
HETTINGER
Mott
GRANT
Carson
EMMONS
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LOGAN
Napoleon
LAMOURE
LaMoure
RANSOM
Lisbon
RICHLAND
Wahpeton
BOWMAN
Bowman
ADAMS
Hettinger
SIOUX
Ft. Yates
McINTOSH
Ashley
DICKEY
Ellendale
SARGENT
Forman
BAE

PEOPLE AND ENVIRONMENT

Population
Health and Vital Statistics
Geography and Climate

1.00

POPULATION

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TABLE 1.02

POPULATION OF NORTH DAKOTA AND URBAN-RURAL COMPOSITION, CENSUS YEARS, 1870-1985, 1990, and 2000

Census Year	Population	Percent Change from Preceding Census	Percent Rural[1]	Percent Urban
1870	2,405[2]	----%	100.0%	----%
1880	36,909[2]	1434.7	92.7	7.3
1890	190,983	417.4	94.4	5.6
1900	319,146	67.1	92.7	7.3
1910	577,056	80.8	89.0	11.0
1920	646,872	12.1	86.4	13.6
1930	680,845	5.3	83.4	16.6
1940	641,935	-5.7	79.4	20.6
1950	619,636	-3.5	73.4	26.6
1960	632,446	2.1	64.8	35.2
1970	617,761	-2.3	55.7	44.3
1980	652,717	5.7	51.2	48.8
1985*	685,000	4.9	51.2	48.8
1990+	698,000	3.6	NA	NA
2000+	688,000	0.5	NA	NA

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, various years.

[1] Persons living in areas with less than 2,500 population.

[2] Population of that part of Dakota Territory which is now North Dakota.

*Estimate and preliminary.

+Projected.

TABLE 1.03

PERCENT OF NORTH DAKOTA COUNTY POPULATION CLASSIFIED AS RURAL AND URBAN, 1980

County	1980 Population	%Rural*	%Urban
Adams	3,584	100.00	-----
Barnes	13,960	44.31	55.69
Benson	7,944	100.00	-----
Billings	1,138	100.00	-----
Bottineau	9,239	69.38	30.62
Bowman	4,229	100.00	-----
Burke	3,822	100.00	-----
Burleigh	54,811	17.10	82.90
Cass	88,247	18.44	81.56
Cavalier	7,636	100.00	-----
Dickey	7,207	100.00	-----
Divide	3,494	100.00	-----
Dunn	4,627	100.00	-----
Eddy	3,554	100.00	-----
Emmons	5,877	100.00	-----
Foster	4,611	42.72	57.28
Golden Valley	2,391	100.00	-----
Grand Forks	66,100	19.58	80.42
Grant	4,274	100.00	-----
Griggs	3,714	100.00	-----
Hettinger	4,275	100.00	-----
Kidder	3,833	100.00	-----
LaMoure	6,473	100.00	-----
Logan	3,493	100.00	-----
McHenry	7,858	100.00	-----
McIntosh	4,800	100.00	-----
McKenzie	7,132	100.00	-----
McLean	12,383	100.00	-----
Mercer	9,404	69.08	30.92
Morton	25,177	37.78	62.22
Mountrail	7,679	100.00	-----
Nelson	5,233	100.00	-----
Oliver	2,495	100.00	-----
Pembina	10,399	100.00	-----
Pierce	6,166	45.91	54.09

TABLE 1.03--Continued

County	1980 Population	%Rural*	%Urban
Ramsey	13,048	42.96	57.04
Ransom	6,698	100.00	-----
Renville	3,608	100.00	-----
Richland	19,207	52.81	47.19
Rolette	12,177	100.00	-----
Sargent	5,512	100.00	-----
Sheridan	2,819	100.00	-----
Sioux	3,620	100.00	-----
Slope	1,157	100.00	-----
Stark	23,697	32.80	67.20
Steele	3,106	100.00	-----
Stutsman	24,154	32.60	67.40
Towner	4,052	100.00	-----
Traill	9,624	100.00	-----
Walsh	15,371	65.57	34.43
Ward	58,392	26.83	73.17
Wells	6,979	63.79	36.21
Williams	22,237	40.03	59.97

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, *Census of Population, General Population Characteristics--North Dakota*, 1980.

* Persons living in areas with less than 2,500 population.

TABLE 1.04

POPULATION OF NORTH DAKOTA STATE PLANNING REGIONS AND SMSAs, CENSUS YEARS, 1950-1980

	1950	1960	1970	1980
Region 1	32,412	34,913	29,992	32,863
Region 2	89,248	97,541	100,360	96,764
Region 3	59,722	54,133	49,670	48,411
Region 4	80,382	86,654	93,857	87,103
Region 5	111,738	116,007	118,131	132,394
Region 6	94,822	90,400	78,965	75,391
Region 7	107,515	106,491	104,207	124,693
Region 8	46,951	46,227	42,609	45,080
SMSAs				
Fargo - Moorhead[*]	89,240	106,027	120,261	137,574
Grand Forks[**]	75,343	84,859	95,537	100,944
NORTH DAKOTA	619,636	632,446	617,761	652,717

SOURCE: Compiled from data in U.S. Dept. of Commerce, Bureau of the Census, Current Population Reports, and Census of Population, Number of Inhabitants--North Dakota, various years.

[*] Designated SMSA August 1960 , data for prior years represent area which is now SMSA.

[**] Designated SMSA June 1977, data for prior years represent area which is now SMSA. Includes Grand Forks/East Grand Forks.

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 1.05

NORTH DAKOTA POPULATION BY COUNTY, CENSUS YEARS, 1950-1980 and 1985 ESTIMATES

County	1950	1960	1970	1980	1985*
Adams	4,910	4,449	3,832	3,584	3,600
Barnes	16,884	16,719	14,669	13,960	13,400
Benson	10,675	9,435	8,245	7,944	7,900
Billings	1,777	1,513	1,198	1,138	1,300
Bottineau	12,140	11,315	9,496	9,239	9,300
Bowman	4,001	4,154	3,901	4,229	4,300
Burke	6,621	5,886	4,739	3,822	3,700
Burleigh	25,673	34,016	40,714	54,811	59,600
Cass	58,877	66,947	73,653	88,247	95,600
Cavalier	11,840	10,064	8,213	7,636	6,900
Dickey	9,121	8,147	6,976	7,207	7,100
Divide	5,967	5,566	4,564	3,494	3,400
Dunn	7,212	6,350	4,895	4,627	5,000
Eddy	5,372	4,936	4,103	3,554	3,300
Emmons	9,715	8,462	7,200	5,877	5,700
Foster	5,337	5,361	4,832	4,611	4,600
Golden Valley	3,499	3,100	2,611	2,391	2,500
Grand Forks	39,443	48,677	61,102	66,100	68,700
Grant	7,114	6,248	5,009	4,274	4,200
Griggs	5,460	5,023	4,184	3,714	3,600
Hettinger	7,100	6,317	5,075	4,275	4,000
Kidder	6,168	5,386	4,362	3,833	3,900
LaMoure	9,498	8,705	7,117	6,473	6,100
Logan	6,357	5,369	4,245	3,493	3,300
McHenry	12,556	11,099	8,977	7,858	7,600
McIntosh	7,590	6,702	5,545	4,800	4,500
McKenzie	6,849	7,296	6,127	7,132	8,700
McLean	18,824	14,030	11,251	12,383	12,500
Mercer	8,686	6,805	6,175	9,404	15,100
Morton	19,295	20,992	20,310	25,177	25,700
Mountrail	9,418	10,077	8,437	7,679	8,100
Nelson	8,090	7,034	5,807	5,233	5,000
Oliver	3,091	2,610	2,322	2,495	2,800
Pembina	13,990	12,946	10,728	10,399	10,300
Pierce	8,326	7,394	6,323	6,166	5,900

NORTH DAKOTA PLANNING AND DEVELOPMENT REGIONS

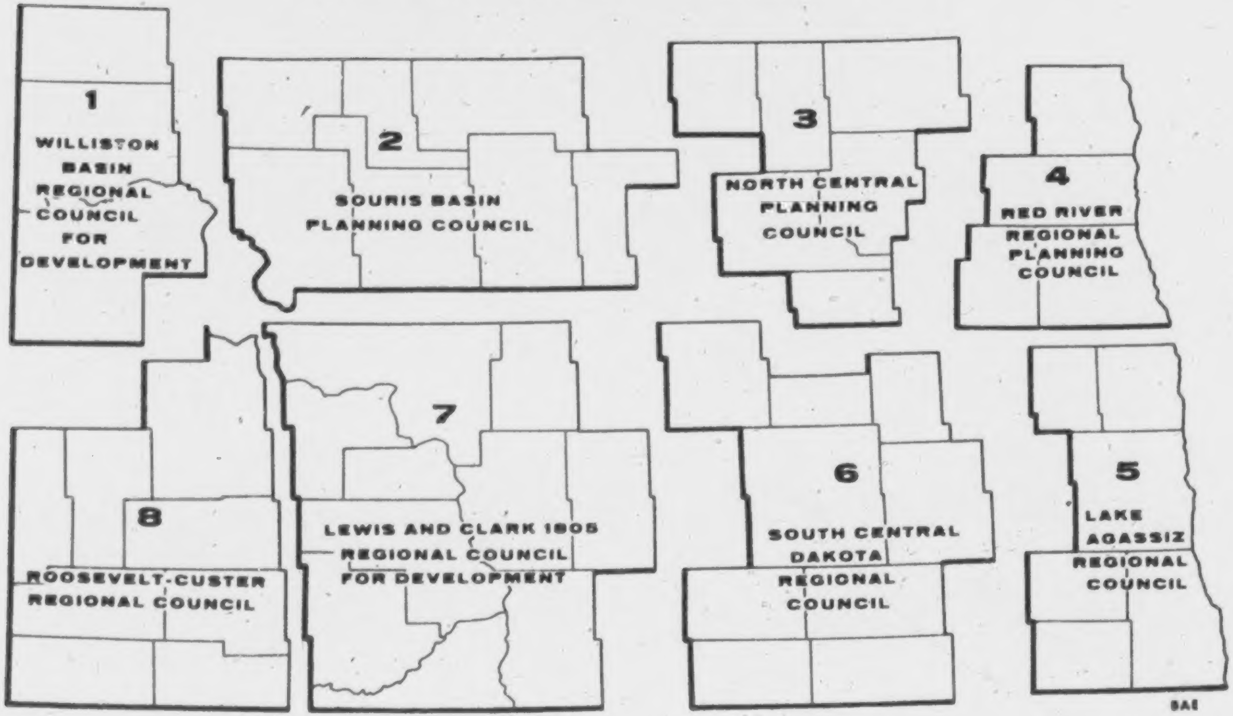
1
WILLISTON BASIN REGIONAL COUNCIL FOR DEVELOPMENT
2
SOURIS BASIN PLANNING COUNCIL
3
NORTH CENTRAL PLANNING COUNCIL
4
RED RIVER REGIONAL PLANNING COUNCIL
7
LEWIS AND CLARK 1805 REGIONAL COUNCIL FOR DEVELOPMENT
8
ROOSEVELT-CUSTER REGIONAL COUNCIL
6
SOUTH CENTRAL DAKOTA REGIONAL COUNCIL
5
LAKE AGASSIZ REGIONAL COUNCIL
BAE

TABLE 1.01

POPULATION OF THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, CENSUS YEARS, 1910-1980, and 1985 (In Thousands)

	1910	1920	1930	1940	1950	1960	1970	1980	1985
United States	92,407	106,022	123,203	132,165	151,326	179,323	203,212	226,546	238,740
NORTH DAKOTA	577	647	681	642	620	632	618	653	685
Minnesota	2,076	2,387	2,564	2,792	2,982	3,414	3,805	4,076	4,193
Iowa	2,225	2,404	2,471	2,538	2,621	2,758	2,824	2,914	2,884
Missouri	3,293	3,404	3,629	3,785	3,955	4,320	4,677	4,917	5,029
South Dakota	584	637	693	643	653	681	666	688	708
Nebraska	1,192	1,296	1,316	1,316	1,326	1,411	1,483	1,567	1,606
Kansas	1,691	1,769	1,801	1,905	1,905	2,179	2,247	2,351	2,450
Montana	376	549	538	559	591	675	694	787	826
Wyoming	146	194	226	251	291	330	332	470	509

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Historical Statistics of the United States Colonial Times to 1970, and Statistical Abstract of the United States, 1987.

1985 population data are estimates.

TABLE 1.05--Continued

County	1950	1960	1970	1980	1985*
Ramsey	14,373	13,433	12,915	13,048	13,000
Ransom	8,876	8,078	7,102	6,698	6,600
Renville	5,405	4,698	3,828	3,608	3,600
Richland	19,865	18,824	18,089	19,207	19,400
Rolette	11,102	10,641	11,549	12,177	13,600
Sargent	7,616	6,856	5,937	5,512	5,300
Sheridan	5,253	4,350	3,232	2,819	2,600
Sioux	3,696	3,662	3,632	3,620	3,800
Slope	2,315	1,893	1,484	1,157	1,200
Stark	16,137	18,451	19,613	23,697	26,600
Steele	5,145	4,719	3,749	3,106	2,900
Stutsman	24,158	25,137	23,550	24,154	23,700
Towner	6,360	5,624	4,645	4,052	4,200
Traill	11,359	10,583	9,571	9,624	9,600
Walsh	18,859	17,997	16,251	15,371	15,700
Ward	34,782	47,072	58,560	58,392	61,400
Wells	10,417	9,237	7,847	6,979	6,800
Williams	16,442	22,051	19,301	22,237	27,600
NORTH DAKOTA	619,636	632,446	617,761	652,717	685,000

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, various years and U.S. Dept. of Commerce, Bureau of the Census, Current Population Reports August 1986.

* July 1, 1985 estimates of population.

TABLE 1.06

POPULATION DENSITY AND RANK OF NORTH DAKOTA COUNTIES, CENSUS YEARS, 1950-1980

County	1950		1960		1970		1980	
	Density*	Rank	Density*	Rank	Density*	Rank	Density*	Rank
Adams	5.0	41	4.5	41	3.9	41	3.6	39
Barnes	11.4	12	11.3	11	9.9	13	9.3	14
Benson	7.6	29	6.7	29	5.9	26	5.6	23
Billings	1.6	53	1.3	53	1.1	53	1.0	52
Bottineau	7.3	30	6.7	28	5.7	28	5.5	26
Bowman	3.4	49	3.6	47	3.3	43	3.6	40
Burke	5.9	38	5.3	40	4.2	39	3.4	43
Burleigh	15.8	4	20.9	4	25.1	4	33.9	3
Cass	33.6	1	38.3	1	42.1	2	49.9	1
Cavalier	7.8	26	6.7	30	5.4	31	5.1	30
Dickey	8.0	24	7.1	21	6.1	21	6.3	20
Divide	4.6	42	4.3	43	3.5	42	2.7	47
Dunn	3.6	46	3.2	49	2.5	50	2.3	51
Eddy	8.5	18	7.8	19	6.5	19	5.6	24
Emmons	6.5	33	5.6	34	4.8	33	3.9	36
Foster	8.3	21	8.3	17	7.5	17	7.2	18
Golden Valley	3.5	47	3.1	50	2.6	49	2.4	50
Grand Forks	27.4	2	33.9	2	42.5	1	45.9	2
Grant	4.3	45	3.8	45	3.0	48	2.6	48
Griggs	7.7	27	7.1	24	5.9	25	5.2	29
Hettinger	6.3	35	5.6	35	4.5	36	3.8	38
Kidder	4.5	43	4.0	44	3.2	47	2.8	45
LaMoure	8.4	19	7.7	20	6.3	20	5.6	25
Logan	6.4	34	5.4	37	4.2	40	3.5	41
McHenry	6.7	32	5.9	33	4.8	34	4.2	33
McIntosh	7.7	28	6.8	27	5.6	29	4.9	31
McKenzie	2.5	51	2.7	51	2.2	51	2.6	49
McLean	9.1	16	6.8	26	5.4	30	6.0	21
Mercer	8.3	20	6.5	32	5.9	24	9.0	16
Morton	10.0	15	10.9	13	10.6	10	13.1	8

TABLE 1.06--Continued

County	1950		1960		1970		1980	
	Density*	Rank	Density*	Rank	Density*	Rank	Density	Rank
Mountrail	5.2	40	5.5	36	4.6	35	4.2	34
Nelson	3.1	50	7.1	22	5.8	27	5.3	28
Oliver	4.3	44	3.6	46	3.2	46	3.5	42
Pembina	12.4	8	11.5	10	9.5	14	9.3	15
Pierce	8.0	22	7.1	25	6.1	22	5.9	22
Ramsey	11.5	11	10.8	14	10.3	12	10.5	13
Ransom	10.3	14	9.4	16	8.2	16	7.8	17
Renville	6.1	36	5.3	39	4.3	38	4.1	35
Richland	13.7	6	13.0	7	12.5	8	13.4	6
Rolette	12.2	10	11.7	9	12.6	6	13.3	7
Sargent	8.9	17	8.0	18	7.0	18	6.4	19
Sheridan	5.3	39	4.4	42	3.3	45	2.8	46
Sioux	3.4	48	3.3	48	3.3	44	3.3	44
Slope	1.9	52	1.5	52	1.2	52	0.9	53
Stark	12.3	9	14.0	5	14.9	5	17.7	5
Steele	7.2	31	6.6	31	5.3	32	4.4	32
Stutsman	10.7	13	11.1	12	10.4	11	10.7	11
Towner	6.1	37	5.4	38	4.5	37	3.9	37
Traill	13.2	7	12.3	8	11.1	9	11.2	10
Walsh	14.7	5	14.0	6	12.6	7	11.9	9
Ward	17.0	3	23.0	3	28.6	3	28.6	4
Wells	8.0	23	7.1	23	6.0	23	5.4	27
Williams	8.0	25	10.7	15	9.4	15	10.7	12
NORTH DAKOTA	8.9	--	9.1	--	8.9	--	9.4	--

SOURCE: Calculated from U.S. Dept. of Commerce, Bureau of the Census, _Census of Population, Number of Inhabitants--North Dakota_, various years.

* Persons per square mile of land area.

TABLE 1.07

POPULATION OF NORTH DAKOTA COUNTIES EXPRESSED AS PERCENT OF TOTAL NORTH DAKOTA POPULATION, CENSUS YEARS, 1950-1980

County	1950	1960	1970	1980
Adams	0.8%	0.7%	0.6%	0.5%
Barnes	2.7	2.6	2.4	2.1
Benson	1.7	1.5	1.3	1.2
Billings	0.3	0.2	0.2	0.2
Bottineau	2.0	1.8	1.5	1.4
Bowman	0.6	0.7	0.6	0.6
Burke	1.1	0.9	0.8	0.6
Burleigh	4.1	5.4	6.6	8.4
Cass	9.5	10.6	11.9	13.5
Cavalier	1.9	1.6	1.3	1.2
Dickey	1.5	1.3	1.1	1.1
Divide	1.0	0.9	0.7	0.5
Dunn	1.2	1.0	0.8	0.7
Eddy	0.9	0.7	0.7	0.5
Emmons	1.6	1.3	1.2	0.9
Foster	0.9	0.8	0.8	0.7
Golden Valley	0.6	0.5	0.4	0.3
Grand Forks	6.4	7.7	9.9	10.1
Grant	1.1	1.0	0.8	0.7
Griggs	0.9	0.8	0.7	0.6
Hettinger	1.1	1.0	0.8	0.7
Kidder	1.0	0.9	0.7	0.6
LaMoure	1.6	1.4	1.2	1.0
Logan	1.0	0.8	0.7	0.5
McHenry	2.0	1.8	1.5	1.2
McIntosh	1.2	1.1	0.9	0.7
McKenzie	1.1	1.2	1.0	1.1
McLean	3.0	2.2	1.8	1.9
Mercer	1.4	1.1	1.0	1.4
Morton	3.1	3.3	3.3	3.9

TABLE 1.07--Continued

County	1950	1960	1970	1980
Mountrail	1.5%	1.6%	1.4%	1.2%
Nelson	1.3	1.1	0.9	0.8
Oliver	0.5	0.4	0.4	0.4
Pembina	2.3	2.0	1.7	1.6
Pierce	1.3	1.2	1.0	0.9
Ramsey	2.3	2.1	2.1	2.0
Ransom	1.4	1.3	1.1	1.0
Renville	0.9	0.7	0.6	0.6
Richland	3.2	3.0	2.9	2.9
Rolette	1.8	1.7	1.9	1.9
Sargent	1.2	1.1	1.0	0.8
Sheridan	0.8	0.7	0.5	0.4
Sioux	0.6	0.6	0.6	0.6
Slope	0.4	0.3	0.2	0.2
Stark	2.6	2.9	3.2	3.6
Steele	0.8	0.7	0.6	0.5
Stutsman	3.9	4.0	3.8	3.7
Towner	1.0	0.9	0.8	0.6
Traill	1.8	1.7	1.5	1.5
Walsh	3.0	2.8	2.6	2.4
Ward	5.6	7.4	9.5	8.9
Wells	1.7	1.5	1.3	1.1
Williams	2.7	3.5	3.1	3.4

SOURCE: Calculated from U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, various years.

Note: Totals may not sum to one due to rounding.

TABLE 1.08

CHANGE IN NORTH DAKOTA POPULATION FOR THE PERIODS: 1950-1960, 1960-1970 and 1970-1980

County	% Change for the Periods 1950 to 1960	 1960 to 1970	 1970 to 1980
Adams	- 9.4%	-13.9%	- 6.5%
Barnes	- 1.0	-12.3	- 4.8
Benson	-11.6	-12.6	- 3.6
Billings	-14.9	-20.8	- 8.2
Bottineau	- 6.8	-16.1	- 2.7
Bowman	3.8	- 6.1	8.4
Burke	-11.1	-19.5	-19.4
Burleigh	32.5	19.7	34.6
Cass	13.7	10.0	19.8
Cavalier	-15.0	-18.4	- 7.0
Dickey	-10.7	-14.4	3.3
Divide	- 6.7	-18.0	-23.4
Dunn	-12.0	-22.9	- 5.6
Eddy	- 8.1	-16.9	-13.4
Emmons	-12.9	-14.9	-18.4
Foster	0.4	- 9.9	- 4.6
Golden Valley	-11.4	-15.8	- 8.4
Grand Forks	23.4	25.5	8.2
Grant	-12.2	-19.8	-14.7
Griggs	- 8.0	-16.7	-11.2
Hettinger	-11.0	-19.7	-15.8
Kidder	-12.7	-19.0	-12.1
LaMoure	- 8.3	-18.2	- 9.0
Logan	-15.5	-20.9	-17.7
McHenry	-11.6	-19.1	-12.5
McIntosh	-11.7	-17.3	-13.4
McKenzie	6.5	-16.0	16.4
McLean	-25.5	-19.8	10.1
Mercer	-21.7	- 9.3	52.3
Morton	8.8	- 3.2	24.0

TABLE 1.08--Continued

County	% Change for the Periods 1950 to 1960	1960 to 1970	1970 to 1980
Mountrail	7.0%	-16.3%	- 9.0%
Nelson	-13.1	-17.9	- 9.9
Oliver	-15.6	-11.0	7.5
Pembina	- 7.5	-17.1	- 3.1
Pierce	-11.2	-14.5	- 2.5
Ramsey	- 6.5	- 3.9	1.3
Ransom	- 9.0	-12.1	- 5.7
Renville	-13.1	-18.5	- 5.7
Richland	- 5.2	-12.5	6.2
Rolette	- 4.1	8.5	5.4
Sargent	-10.0	-13.4	- 7.2
Sheridan	-17.2	-25.7	-12.8
Sioux	- 0.9	- 0.8	- 0.3
Slope	-18.2	-21.6	-22.0
Stark	14.3	6.3	20.8
Steele	- 8.3	-20.6	-17.2
Stutsman	4.1	- 6.3	2.6
Towner	-11.6	-17.4	-12.8
Traill	- 6.8	- 9.6	0.6
Walsh	-4.6	- 9.7	- 5.4
Ward	35.3	24.4	- 0.3
Wells	-11.3	-15.0	-11.1
Williams	34.1	-12.5	15.2
NORTH DAKOTA	2.1	- 2.3	5.7

SOURCE: Calculated from U.S. Dept. of Commerce, Bureau of the Census, Current Population Reports, and Census of Population, Number of Inhabitants--North Dakota, various years.

TABLE 1.09

PERCENTAGE DISTRIBUTION OF COUNTY POPULATION BY SEX, AGE GROUP AND RACE, 1980

County	% Male	% Age Group (Years)				% Race				
		Under 18	18-44	45-64	65/Over	White	Indian	Black	Asian	Spanish
Adams	49.94	28.49	34.49	20.76	16.27	99.55	0.22	0.03	0.20	0.25
Barnes	49.36	26.10	37.20	19.48	17.21	99.34	0.34	0.12	0.14	0.20
Benson	51.12	35.81	30.74	18.64	14.80	70.68	29.15	0.01	0.01	0.34
Billings	52.37	33.39	36.03	22.06	8.52	99.65	0.35	0.00	0.00	0.18
Bottineau	50.08	28.15	34.60	19.70	17.55	98.91	0.81	0.01	0.18	0.18
Bowman	50.18	32.18	35.49	18.82	13.50	99.55	0.24	0.00	0.05	0.14
Burke	50.37	27.21	28.62	24.88	19.28	99.50	0.13	0.08	0.18	0.39
Burleigh	48.80	29.89	45.53	16.19	8.39	97.38	1.87	0.08	0.35	0.37
Cass	49.54	26.09	48.53	15.82	9.56	98.41	0.57	0.16	0.43	0.58
Cavalier	51.36	29.64	31.67	21.65	17.05	99.36	0.50	0.01	0.08	0.21
Dickey	50.13	29.00	34.20	19.68	17.12	99.22	0.15	0.01	0.31	0.31
Divide	51.43	25.67	28.79	25.36	20.18	99.63	0.23	0.00	0.03	0.03
Dunn	52.30	32.27	35.44	20.79	11.50	90.08	9.75	0.02	0.02	0.73
Eddy	50.70	27.57	29.49	22.43	20.51	99.21	0.73	0.03	0.03	0.08
Emmons	50.67	33.01	27.87	23.60	15.52	99.85	0.10	0.02	0.02	0.31
Foster	49.53	30.69	31.82	20.99	16.50	99.39	0.39	0.02	0.11	0.24
Golden Valley	50.61	31.45	31.74	20.66	16.14	99.54	0.25	0.08	0.00	0.13
Grand Forks	51.03	27.65	51.55	12.85	7.95	95.36	1.20	1.70	0.73	1.44
Grant	52.04	31.38	30.65	22.46	15.51	98.97	0.66	0.02	0.02	0.36
Griggs	51.91	25.79	30.16	23.99	20.06	99.54	0.35	0.00	0.03	0.05
Hettinger	50.36	29.68	30.69	23.77	15.86	99.67	0.05	0.00	0.28	0.23
Kidder	51.11	31.33	36.99	23.27	14.40	99.84	0.05	0.00	0.08	0.16
LaMoure	50.41	29.24	30.19	22.49	18.08	99.58	0.22	0.03	0.06	0.09
Logan	51.27	29.60	27.66	25.99	16.75	99.97	0.00	0.00	0.00	0.29
McHenry	51.91	29.41	30.54	21.62	18.43	99.55	0.20	0.05	0.10	0.11
McIntosh	49.40	23.85	26.44	26.85	22.85	99.71	0.06	0.00	0.06	0.25
McKenzie	52.36	33.40	38.22	17.95	10.43	86.43	12.83	0.01	0.08	0.90
McLean	51.49	30.95	34.56	20.10	14.40	95.19	4.43	0.02	0.10	0.52
Mercer	52.09	31.14	40.71	17.94	10.22	96.99	2.20	0.11	0.20	0.48
Morton	50.43	32.87	38.84	17.50	10.79	98.85	0.90	0.03	0.10	0.33

TABLE 1.09--Continued

County	% Male	% Age Group (Years) Under 18	18-44	45-64	65/Over	% Race White	Indian	Black	Asian	Spanish
Mountrail	50.62	31.15	32.39	21.07	15.39	87.75	11.93	0.01	0.18	0.25
Nelson	51.02	24.92	28.11	23.96	23.01	99.75	0.15	0.02	0.04	0.19
Oliver	52.99	33.75	38.32	19.56	8.38	98.44	1.44	0.08	0.04	0.16
Pembina	50.19	29.17	32.96	21.33	16.54	98.79	0.48	0.05	0.19	1.21
Pierce	50.19	31.38	31.30	19.25	18.07	98.95	0.32	0.00	0.45	0.41
Ramsey	49.17	29.21	35.42	19.39	15.99	97.21	2.54	0.04	0.11	0.22
Ransom	50.90	28.53	30.90	21.48	19.08	99.45	0.10	0.04	0.21	0.21
Renville	51.44	30.40	31.79	20.40	17.41	99.47	0.19	0.00	0.25	0.30
Richland	51.79	25.02	42.98	17.56	14.44	98.24	1.30	0.05	0.10	0.35
Rolette	49.45	40.23	34.31	16.09	9.37	41.86	57.63	0.07	0.15	0.30
Sargent	52.29	30.50	34.54	20.16	14.80	99.69	0.09	0.15	0.00	0.13
Sheridan	51.58	27.56	30.12	26.11	16.21	99.75	0.18	0.00	0.00	0.04
Sioux	50.99	44.25	35.55	14.78	5.41	35.06	64.67	0.00	0.14	0.58
Slope	52.90	31.72	32.84	24.11	11.32	99.65	0.35	0.00	0.00	0.00
Stark	50.12	31.41	42.93	15.86	9.80	98.92	0.57	0.05	0.16	0.35
Steele	51.22	28.82	31.39	23.54	16.26	99.71	0.03	0.06	0.19	0.10
Stutsman	49.46	27.92	39.08	19.60	13.41	98.73	0.55	0.13	0.26	0.31
Towner	50.00	27.59	30.03	22.58	19.79	98.84	1.01	0.07	0.07	0.05
Traill	48.95	26.24	34.87	19.72	19.17	98.82	0.25	0.06	0.09	0.91
Walsh	50.04	28.25	34.01	21.38	16.36	98.54	0.61	0.03	0.14	1.46
Ward	50.40	30.69	45.75	14.55	9.02	95.65	1.12	1.87	0.55	1.29
Wells	50.11	28.27	29.49	21.99	20.25	99.77	0.10	0.00	0.04	0.27
Williams	50.86	29.71	42.11	17.30	10.89	96.34	3.21	0.01	0.27	0.32

SOURCE: Compiled from U.S. Dept. of Commerce, Bureau of the Census, Census of Population, General Population Characteristics--North Dakota, 1980.

TABLE 1.10

MEDIAN AGE OF POPULATION (YEARS) BY NORTH DAKOTA COUNTY, CENSUS YEARS, 1950-1980

County	1950	1960	1970	1980	County	1950	1960	1970	1980
Adams	25.5	26.3	30.6	33.0	McLean	25.4	27.0	31.7	30.8
Barnes	29.0	27.4	29.1	31.3	Mercer	23.7	28.0	31.5	28.4
Benson	26.9	27.3	27.9	28.4	Morton	24.9	24.5	25.5	27.5
Billings	24.5	23.5	28.7	28.5	Mountrail	28.7	25.7	30.1	31.8
Bottineau	28.0	28.3	32.2	32.9	Nelson	30.7	34.8	40.0	41.9
Bowman	28.8	26.9	28.5	29.5	Oliver	23.3	23.5	26.5	28.1
Burke	29.8	29.7	33.7	38.8	Pembina	27.0	27.9	33.1	33.0
Burleigh	26.8	25.5	25.2	27.1	Pierce	23.4	24.5	29.8	32.4
Cass	28.6	26.0	24.8	27.2	Ramsey	28.3	28.2	28.8	30.9
Cavalier	26.2	27.0	31.3	33.8	Ransom	31.0	33.0	36.8	34.7
Dickey	27.6	29.0	33.7	32.1	Renville	28.5	27.9	31.3	33.6
Divide	30.5	29.2	33.0	40.1	Richland	28.3	28.9	27.6	27.1
Dunn	22.8	21.5	25.5	29.0	Rolette	22.0	19.5	19.2	23.7
Eddy	28.2	28.3	34.4	36.7	Sargent	27.2	28.8	30.6	31.4
Emmons	22.1	22.7	25.3	33.9	Sheridar	24.9	27.6	35.1	37.6
Foster	27.3	26.0	28.8	31.9	Sioux	19.6	17.8	18.4	21.5
Golden Valley	27.1	26.4	29.7	32.2	Slope	24.6	23.2	23.3	30.0
Grand Forks	27.3	24.4	23.2	24.6	Stark	23.9	22.3	22.7	25.6
Grant	22.3	23.7	28.9	32.9	Steele	29.3	29.5	32.8	35.1
Griggs	29.7	31.4	37.3	37.9	Stutsman	30.1	29.4	30.2	30.0
Hettinger	22.6	22.7	27.6	33.8	Towner	28.1	29.5	33.6	36.1
Kidder	24.3	25.2	29.3	32.9	Traill	30.2	31.6	34.6	33.1
LaMoure	27.3	28.5	33.8	34.9	Walsh	29.1	30.3	32.3	33.4
Logan	22.7	24.0	29.5	37.5	Ward	27.5	24.3	23.4	25.8
McHenry	26.1	26.9	31.1	34.8	Wells	27.6	29.4	32.7	37.0
McIntosh	25.7	29.6	36.5	44.7	Williams	29.1	25.4	26.9	27.5
McKenzie	27.4	25.5	28.2	27.4					
					NORTH DAKOTA	26.6	26.7	26.4	32.0

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, General Population Characteristics--North Dakota, various years.

TABLE 1.11

POPULATION OF NORTH DAKOTA CITIES, CENSUS YEARS, 1920-1980

City	1980	1970	1960	1950	1940	1930	1920
Abercrombie	260	262	244	244	215	242	266
Adams	303	284	360	411	355	345	404
Alamo	122	124	182	192	214	211	---
Alexander	358	208	269	302	415	386	---
Alice	62	83	124	162	181	169	---
Almont	146	109	190	190	234	---	---
Alsen	169	201	228	114	312	358	---
Ambrose	60	109	220	286	294	334	389
Amenia	93	80	117	127	104	90	---
Amidon	43	54	84	82	102	141	145
Annamoose	355	401	503	542	478	495	563
Aneta	341	376	451	469	509	568	662
Antler	101	135	210	217	254	318	265
Ardoch	78	70	106	137	119	110	153
Argusville	147	118	118	126	145	115	---
Arnegard	193	141	228	206	222	254	---
Arthur	445	412	325	380	335	322	---
Ashley	1,192	1,236	1,419	1,423	1,345	1,033	1,009
Ayr	42	48	81	104	107	106	---
Balfour	51	93	159	162	193	197	322
Balta	139	133	165	196	263	---	---
Bantry	28	40	66	125	---	---	---
Barney	70	81	115	---	---	---	---
Barton	38	34	80	102	157	170	158
Bathgate	67	133	175	209	312	292	352
Beach	1,381	1,408	1,460	1,461	1,178	1,263	1,006
Belfield	1,274	1,130	1,064	1,051	870	653	526
Benedict	68	72	129	127	167	145	195
Bergen	24	24	52	51	67	98	---
Berlin	57	76	78	124	132	135	130
Berthold	479	398	431	459	428	511	498
Berwick	22	33	56	71	92	---	---
Beulah	2,908	1,344	1,318	1,501	942	913	552
Binford	293	242	261	309	311	317	393
Bisbee	257	305	388	365	393	531	500
Bismarck	44,485	34,703	27,670	18,640	15,496	11,090	7,122
Bottineau	2,829	2,760	2,613	2,268	1,739	1,322	1,172
Bowbells	587	584	687	806	787	695	643
Bowdon	220	220	259	348	348	303	306
Bowman	2,071	1,762	1,730	1,382	967	888	767
Braddock	86	106	141	175	185	193	216
Brinsmade	54	36	110	136	206	199	191
Brocket	74	95	153	212	291	276	240
Bucyrus	32	42	60	111	117	124	113
Buffalo	226	241	234	261	245	242	268
Burlington	762	547	262	---	---	---	---
Butte	157	193	257	272	261	231	---
Buxton	336	235	321	387	404	410	---
Calio	60	75	101	102	98	152	132
Calvin	61	78	104	152	---	---	---
Cando	1,496	1,512	1,566	1,530	1,282	1,164	1,111

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Canton	68	81	130	139	148	125	101
Carpio	244	215	199	194	322	344	244
Carrington	2,641	2,491	2,438	2,181	1,850	1,717	1,420
Carson	469	466	501	493	473	356	277
Casselton	1,661	1,485	1,394	1,373	1,358	1,253	1,528
Cathay	66	110	110	209	189	235	185
Cavalier	1,505	1,381	1,423	1,459	1,105	850	819
Cayuga	75	116	195	178	196	219	182
Center	900	619	476	492	509	293	---
Churches Ferry	139	139	161	223	244	295	353
Cleveland	130	128	169	181	246	273	341
Clifford	51	84	109	158	---	---	---
Cogswell	227	203	305	393	430	426	445
Coleharbor*	150	112	210	315	---	---	---
Colfax	101	70	98	---	---	---	---
Columbus	325	465	672	525	506	516	332
Conway	33	57	67	107	120	100	148
Cooperstown	1,308	1,485	1,424	1,189	1,077	1,053	1,112
Courtenay	110	125	168	229	297	350	490
Crary	139	150	195	235	267	278	307
Crosby	1,469	1,545	1,759	1,689	1,404	1,271	1,147
Crystal	256	272	372	429	428	314	349
Davenport	195	147	143	150	147	205	214
Dawson	144	131	206	280	263	306	293
Dazey	143	128	226	196	215	251	293
Deering	85	75	117	136	140	192	142
Des Lacs	212	197	185	180	197	205	188
Devils Lake	7,442	7,078	6,299	6,427	6,204	5,519	5,110
Dickey	74	118	143	165	203	168	190
Dickinson	15,924	12,405	9,971	7,469	5,839	5,025	4,122
Dodge	199	121	226	251	234	204	172
Donnybrook	139	163	196	207	215	259	267
Douglas	112	144	210	236	313	288	284
Drake	479	636	752	831	654	644	517
Drayton	1,082	1,095	940	875	688	502	637
Dunn Center	170	107	250	246	238	276	217
Dunseith	625	811	1,017	713	719	484	374
Dwight	72	93	101	129	168	104	139
Edgeley	843	888	992	943	803	821	803
Edinburg	300	315	330	343	378	284	278
Edmore	416	398	405	458	453	396	501
Egeland	112	96	190	248	275	333	306
Elgin	930	839	944	882	583	505	429
Ellendale	1,967	1,517	1,800	1,759	1,517	1,264	1,334
Elliot	44	50	62	87	118	106	---
Emerado	596	515	328	---	---	---	---
Enderlin	1,151	1,343	1,596	1,504	1,593	1,839	1,919
Epping	104	140	151	158	154	183	116
Esmond	337	416	420	475	449	313	313
Fairdale	97	102	126	131	187	171	192
Fairmount	480	412	503	660	705	611	706
Fargo	61,383	53,365	46,662	38,256	32,580	28,619	21,961
Fessenden	761	815	920	917	902	738	731
Fingal	151	166	190	210	300	324	---

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Finley	718	809	808	671	677	587	599
Flasher	410	467	515	413	387	346	287
Flaxton	182	286	375	436	362	423	374
Forbes	84	88	138	204	268	265	293
Fordville	326	361	367	376	439	442	320
Forest River	152	169	191	236	207	198	226
Forman	629	596	530	466	500	386	402
Fortuna	98	216	185	181	214	196	198
Fort Yates	771	1,153	---	---	---	---	---
Fredonia	82	100	141	268	309	394	296
Fullerton	107	110	181	206	184	206	202
Gackle	456	470	523	604	537	493	424
Galesburg	165	134	166	169	---	---	---
Gardena	66	84	113	116	125	120	99
Gardner	94	96	107	136	103	108	---
Garrison	1,830	1,614	1,794	1,890	1,117	1,024	714
Gascoyne	23	34	50	76	48	97	60
Gilby	283	268	281	---	---	---	---
Gladstone	317	222	185	224	278	---	---
Glenburn	454	381	363	281	190	263	228
Glenfield	164	127	129	---	---	---	---
Glen Ullin	1,125	1,070	1,210	1,324	976	950	875
Golden Valley	287	235	286	339	400	294	369
Golva	101	104	162	174	---	---	---
Goodrich	288	300	392	448	476	468	476
Grafton	5,293	5,946	5,885	4,901	4,070	3,136	2,512
Grand Fks Base*	9,390	10,474	---	---	---	---	---
Grand Forks	43,765	39,008	34,451	26,836	20,228	17,112	14,010
Grandin	210	187	147	156	158	172	---
Grano	6	4	14	27	57	90	112
Granville	281	282	400	404	443	450	394
Great Bend	113	86	164	169	198	169	142
Grenora	362	401	448	525	425	487	358
Gwinner	725	623	242	197	---	---	---
Hague	127	146	197	328	442	364	315
Halliday	355	413	509	477	395	305	289
Hamberg	41	51	64	124	164	187	---
Hamilton	109	110	217	241	255	151	200
Hampden	126	114	71	203	193	222	199
Hankinson	1,158	1,125	1,285	1,409	1,420	1,400	1,477
Hanks	10	13	78	115	192	213	---
Hannaford	201	244	277	313	405	351	431
Hannah	90	145	253	257	261	262	---
Hansboro	43	49	143	134	196	176	218
Harvey	2,527	2,361	2,365	2,337	1,851	2,157	1,590
Hatton	326	808	856	991	933	804	828
Havana	148	156	206	267	305	271	319
Haynes	58	53	111	145	210	167	113
Hazelton	266	374	451	453	500	446	382
Hazen	2,365	1,240	1,222	1,230	662	689	520
Hebron	1,078	1,103	1,340	1,412	1,267	1,348	1,374
Hettinger	1,739	1,655	1,769	1,762	1,138	1,292	817
Hillsboro	1,600	1,309	1,278	1,331	1,338	1,317	1,183
Hoople	350	330	334	447	346	325	250

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Hope	406	364	390	470	474	535	699
Horace	494	276	178	190	---	---	---
Hove Mob. Park	3	0	---	---	---	---	---
Hunter	369	362	446	417	414	406	424
Hurdsfield	113	139	183	223	258	220	---
Inkster	135	198	282	304	310	257	368
Jamestown	16,280	15,385	15,163	10,697	8,790	8,187	6,627
Jud	118	110	156	175	202	140	178
Karlsruhe	164	172	221	282	289	258	---
Kathryn	95	109	142	200	229	224	289
Kenmare	1,456	1,515	1,696	1,712	1,528	1,494	1,446
Kensal	210	263	334	376	356	420	415
Kief	36	46	97	135	159	139	307
Killdeer	790	615	765	698	650	495	512
Kindred	568	495	580	504	450	429	334
Knox	69	104	122	190	189	177	173
Kramer	84	125	175	198	220	190	172
Kulm	570	625	664	707	734	742	725
Lakota	963	964	1,066	1,032	907	860	959
LaMoure	1,077	951	1,068	1,010	990	889	1,014
Landa	62	61	110	132	149	140	---
Langdon	2,335	2,192	2,151	1,838	1,546	1,221	1,228
Lankin	175	221	303	287	283	267	334
Lansford	294	296	382	352	300	353	337
Larimore	1,524	1,469	1,714	1,374	1,222	979	1,089
Larson	21	35	62	59	79	89	114
Lawton	101	123	159	211	210	233	227
Leal	45	41	70	72	102	105	88
Leeds	678	626	797	778	782	725	704
Lehr	254	287	381	394	536	458	362
Leith	59	92	100	160	166	174	158
Leonard	289	221	232	---	---	---	---
Lidgerwood	971	1,000	1,081	1,147	1,042	1,029	1,005
Lignite	332	354	355	230	235	217	214
Linton	1,561	1,695	1,826	1,675	1,602	1,192	1,011
Lisbon	2,283	2,090	2,093	2,031	1,997	1,650	1,855
Litchville	253	294	345	408	430	410	528
Loma*	39	85	20	53	256	293	---
Loraine	21	33	54	70	74	92	74
Ludden	47	44	59	96	150	164	132
Luverne	65	84	109	154	187	177	225
McClusky	658	664	751	850	924	719	646
McHenry	113	152	155	180	250	219	299
McVille	626	583	551	626	548	513	546
Maddock	677	708	740	714	691	631	557
Makoti	199	159	214	219	212	276	---
Mandan	15,513	11,093	10,525	7,298	6,685	5,037	4,336
Mantador	76	95	98	138	---	---	---
Manvel	308	265	313	278	209	183	---
Mapleton	306	219	180	169	180	195	198
Marion	214	215	309	272	242	258	294
Marmarth	190	247	310	469	626	721	1,318
Martin	114	120	146	171	228	211	---
Max	317	301	410	465	423	500	473
Maxbass	141	174	218	259	215	217	147

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Mayville	2,255	2,554	2,168	1,790	1,351	1,199	1,218
Maza	21	20	31	82	66	70	---
Medina	521	488	545	564	500	407	415
Medora	94	129	133	---	---	---	---
Mercer	134	132	154	214	---	---	---
Merricourt	17	22	66	105	153	120	70
Michigan City	502	478	451	486	491	433	491
Milnor	716	645	658	674	677	564	680
Milton	195	198	264	322	310	329	393
Minnewaukan	461	496	420	443	521	480	564
Minot	32,843	32,290	30,604	22,032	16,577	16,099	10,476
Minot Base*	9,880	12,077	---	---	---	---	---
Minto	592	636	642	592	630	565	602
Mohall	1,049	950	956	1,073	687	676	651
Monango	59	112	133	138	175	211	231
Montpelier	96	116	97	105	133	165	186
Mooreton	216	158	164	161	146	147	123
Mott	1,315	1,368	1,463	1,583	1,220	1,036	723
Mountain	156	146	218	219	205	---	---
Munich	300	249	213	248	216	260	248
Mylo	31	51	103	110	89	134	140
Napoleon	1,103	1,036	1,078	1,070	982	709	554
Neche	471	451	545	615	565	502	528
Nekoma	102	84	143	140	184	191	189
Newburg	151	125	158	105	119	87	110
New England	825	906	1,095	1,117	895	911	613
New Leipzig	352	354	390	447	366	443	378
New Rockford	1,791	1,969	2,177	2,185	2,017	1,195	2,111
New Salem	1,081	943	986	942	875	804	711
New Town	1,335	1,428	1,586	---	---	---	---
Niagara	76	115	157	163	179	207	199
Nome	67	103	145	217	277	218	267
Noonan	283	403	625	551	520	423	376
Northwood	1,240	1,189	1,195	1,182	1,063	971	935
Oakes	2,112	1,742	1,650	1,774	1,665	1,709	1,637
Oberon	150	151	248	238	---	---	---
Omemee	10	5	11	60	123	170	222
Oriska	125	128	148	135	217	183	300
Osnabrock	222	255	289	284	269	244	310
Overly	25	28	65	90	125	154	193
Page	329	367	432	482	428	443	452
Palermo	97	146	188	150	178	205	179
Park River	1,844	1,680	1,813	1,692	1,408	1,131	1,114
Parshall	1,059	1,246	1,216	935	570	470	376
Pekin	101	120	180	221	229	210	197
Pembina	673	741	625	640	703	551	802
Perth	20	44	73	124	145	153	218
Petersburg	230	266	272	318	285	310	367
Pettibone	127	173	205	---	---	---	---
Pick City	182	119	101	294	---	---	---
Pillsbury	46	50	76	119	161	260	142
Pingree	82	76	151	161	167	266	286
Pisek	156	154	176	215	242	225	300
Plaza	222	291	385	389	360	408	345
Portal	238	251	351	409	499	512	545

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Portland	627	534	606	641	551	500	623
Power Lake	466	523	633	565	464	382	251
Rawson	12	10	28	32	72	65	---
Ray	766	776	1,049	721	579	621	563
Reeder	355	306	321	339	263	395	258
Regan	71	74	104	129	149	162	202
Regent	297	344	388	405	261	308	262
Reynolds	309	236	269	335	315	351	389
Rhame	222	206	254	340	283	356	302
Richardton	699	799	792	721	682	710	626
Robinson	129	125	155	166	160	185	---
Rock Lake	287	270	350	385	348	279	238
Rogers	68	96	119	150	174	169	173
Rolette	667	579	524	451	460	428	409
Rolla	1,538	1,450	1,398	1,176	1,008	852	675
Ross	104	125	167	---	---	---	---
Rugby	3,335	2,889	2,972	2,907	2,215	1,512	1,424
Russo	12	15	31	37	65	104	120
Russell	18	14	25	51	70	94	119
Rutland	250	225	308	309	305	264	291
Ryder	158	211	264	330	467	457	483
St. John	401	367	420	451	517	372	460
St. Thomas	528	508	660	566	503	595	500
Sanborn	237	255	263	324	366	343	391
Sarles	111	148	225	285	302	383	348
Sawyer	417	373	390	264	271	206	241
Scranton	415	360	358	360	277	381	353
Selfridge	273	346	371	343	329	351	153
Sentinel Butte	86	125	160	229	256	219	292
Sharon	166	201	251	312	371	328	362
Sheldon	173	192	221	267	281	327	321
Sherwood	294	369	360	421	390	455	423
Sheyenne	307	362	423	469	431	417	---
Sibley	21	20	22	---	---	---	---
Solen	138	180	---	---	---	---	---
Souris	122	151	213	206	259	248	269
South Heart	294	132	---	---	---	---	---
Springbrook	52	27	35	51	77	105	93
Stanley	1,631	1,581	1,795	1,486	1,058	936	591
Stanton	623	517	409	571	370	358	325
Starkweather	210	193	223	229	295	312	302
Steele	796	696	847	762	721	519	550
Strasburg	623	642	612	733	994	695	653
Streeter	264	324	491	602	647	711	640
Surrey	999	361	309	---	---	---	---
Sykeston	193	232	236	272	273	327	367
Tappen	271	294	326	379	323	268	182
Taylor	239	162	215	258	251	263	285
Thompson	785	291	211	270	276	273	---
Tioga	1,597	1,667	2,087	456	385	435	320
Tolley	103	163	189	248	177	225	325
Tolna	241	247	291	281	172	174	199
Towner City	293	289	300	292	364	435	447
Towner	867	870	948	955	918	622	610
Turtle Lake	802	712	792	839	632	579	395

TABLE 1.11--Continued

City	1980	1970	1960	1950	1940	1930	1920
Tuttle	202	216	255	368	357	383	321
Underwood	1,329	781	819	1,061	613	488	453
Upham	227	272	333	403	243	257	196
Valley City	7,774	7,843	7,809	6,851	5,917	5,268	4,681
Velva	1,101	1,241	1,330	1,170	1,017	870	836
Venturia	40	77	148	190	257	233	201
Verona	126	140	162	189	201	222	258
Voltaire	65	54	70	72	101	61	---
Wahpeton	9,064	7,076	5,876	5,125	3,747	3,176	3,069
Walcott	186	166	---	---	---	---	---
Wales	74	116	151	235	---	---	---
Walhalla	1,432	1,471	1,432	1,463	1,138	700	634
Warwick	108	168	204	155	224	249	290
Washburn	1,767	804	993	913	901	753	558
Watford City	2,119	1,768	1,865	1,371	1,073	769	260
West Fargo	10,099	5,161	3,328	1,632	707	---	---
Westhope	741	705	824	575	460	521	439
Wheelock	34	21	82	101	94	115	---
White Earth	98	128	208	218	272	240	247
Wildrose	214	235	361	430	472	518	449
Williston	13,336	11,280	11,866	7,378	5,790	5,106	4,178
Willow City	329	403	494	595	524	577	559
Wilton	950	695	739	796	851	1,001	1,026
Wimbledon	330	337	402	449	357	421	521
Wing	220	223	303	312	235	237	---
Wishek	1,345	1,275	1,290	1,241	1,112	1,146	1,003
Wolford	76	81	136	140	206	---	---
Woodworth	137	139	221	207	245	261	297
Wyndmere	550	516	644	627	499	521	170
York	69	102	148	---	---	---	---
Zap	511	271	339	425	574	406	257
Zeeland	253	313	427	484	489	419	323

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, various years.

* Unincorporated.

TABLE 1.12

POPULATION OF NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES CENSUS YEARS, 1950-1980 and 1984 ESTIMATES

Municipality	1950	1960	1970	1980	1984
Fargo	38,256	46,662	53,365	61,383	65,721
Grand Forks	26,836	34,451	39,008	43,765	44,233
Bismarck	18,640	27,670	34,703	44,485	59,128
Minot	22,032	30,604	32,290	32,843	37,261
Jamestown	10,697	15,163	15,385	16,280	16,118
Dickinson	7,469	9,971	12,405	15,924	18,893
Williston	7,378	11,866	11,280	13,336	16,121
Mandan	7,298	10,525	11,093	15,513	16,546
Valley City	6,851	7,809	7,843	7,774	7,582
Devils Lake	6,427	6,299	7,078	7,442	7,598
Wahpeton	5,125	5,876	7,076	13,336	9,717
Grafton	4,901	5,885	5,946	5,293	5,435
West Fargo	1,032	3,328	5,161	10,099	12,034
Rugby	2,907	2,972	2,889	3,335	3,243
Bottineau	2,268	2,613	2,760	2,829	2,824
15--City Total	168,117	221,694	248,882	293,637	322,454
% State Population	27.1%	35.1%	40.2%	45.0%	46.8%

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, *Census of Population, Number of Inhabitants--North Dakota*, various years and U.S. Dept. of Commerce, Bureau of the Census, *Current Population Reports*, June 1986.

* July 1, 1984 estimates of population

** 1984 estimated state population is 689,422

2.00

HEALTH VITAL STATISTICS

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TABLE 2.01

GLOSSARY OF HEALTH AND VITAL STATISTICS TERMS

CRUDE DEATH RATE - The number of deaths reported during a given time interval per 1,000 estimated mid-interval population.

CRUDE BIRTH RATE - The number of live births reported during a given time interval per 1,000 estimated mid-interval population.

SPECIFIC-CAUSE-OF-DEATH-RATE - The number of deaths assigned to a specific cause (e.g., accident, pneumonia, etc.) during the given time interval per 1,000 estimated mid-interval population.

MATERNAL MORTALITY RATE - The number of deaths from deliveries and complications of pregnancy, childbirth, and the puerperium, for a given time interval per 10,000 live births during the same period.

INFANT MORTALITY RATE - The number of infant deaths divided by the total residents live births x 1000.

INFANT DEATH - Death occuring to an individual less than 1 year of age.

TABLE 2.02

RESIDENT LIVE BIRTHS AND CRUDE BIRTH RATES IN NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1940-1986

Year	North Dakota		North Dakota	
	Births	Crude Birth Rate	Births	Crude Birth Rate
1940	13,135	20.5	2,559,000	19.4
1945	13,147	25.8	2,858,000	20.4
1950	17,076	27.6	3,632,000	24.1
1955	17,239	27.0	4,097,000	25.0
1960	16,690	26.3	4,258,000	23.7
1965	13,198	20.2	3,760,000	19.4
1970	11,004	17.8	3,731,000	18.4
1971	10,361	16.6	3,556,000	17.2
1972	10,115	16.0	3,258,000	15.6
1973	9,738	15.3	3,137,000	14.9
1974	10,010	15.7	3,160,000	14.9
1975	10,624	16.7	3,144,000	14.8
1976	10,724	16.7	3,168,000	14.8
1977	11,450	17.5	3,327,000	15.4
1978	11,347	17.4	3,333,000	15.3
1979	11,882	18.2	3,494,398	15.5
1980	11,995	18.4	3,612,258	15.9
1981	12,406	18.8	3,629,238	15.8
1982	12,655	18.8	3,680,537	15.9
1983	12,380	18.2	3,614,000[1]	15.4
1984	11,833	17.2	3,697,000[1]	15.8
1985	11,697	17.1	3,749,000[1]	15.7
1986	10,824	15.9	NA	NA

SOURCE: North Dakota State Dept. of Health, unpublished data from the Division of Statistical Services, and Statistical Abstract of the United States, 1981, and North Dakota State Department of Health, North Dakota Vital Statistics Report, 1985

[1] U.S. Estimate

TABLE 2.03

RESIDENT BIRTHS, DEATHS, INFANT DEATHS, MATERNAL DEATHS, AND CRUDE RATES IN NORTH DAKOTA, SELECTED YEARS, 1940-1986

Year	Births		Deaths		Infant Deaths		Maternal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1940	13,135	20.5	5,257	8.2	593	45.1	24	18.3
1950	17,076	27.6	5,209	8.4	461	27.0	9	5.3
1955	17,239	--	5,270	--	433	--	6	--
1960	16,690	26.3	5,449	8.6	414	24.8	5	3.0
1965	13,198	20.3	5,579	8.6	279	21.1	3	--
1970	11,004	17.8	5,606	9.1	157	14.3	4	3.6
1971	10,361	16.5	5,591	8.9	158	15.2	1	--
1972	10,115	16.0	5,651	9.0	164	16.2	0	--
1973	9,738	15.4	5,789	9.1	160	16.4	3	--
1974	10,010	15.8	5,772	9.1	169	16.9	1	--
1975	10,624	16.6	5,482	8.6	156	14.7	2	--
1976	10,724	16.6	5,523	8.5	149	13.9	1	--
1977	11,450	17.6	5,198	8.0	159	13.9	2	--
1978	11,347	17.4	5,484	8.4	150	13.2	0	--
1979	11,882	18.2	5,360	8.2	141	11.9	1	0.8
1980	11,995	18.4	5,596	8.6	145	12.1	0	0.0
1981	12,406	18.8	5,456	8.3	140	11.3	0	0.0
1982	12,655	18.8	5,385	8.0	134	10.6	0	0.0
1983	12,380	18.2	5,569	8.2	110	8.9	0	0.0
1984	11,833	17.2	5,538	8.1	97	8.2	1	0.8
1985	11,697	17.1	5,618	8.2	100	8.5	1	0.9
1986	10,824	15.9	5,285	7.8	--	--	-	--

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, unpublished data from the Division of Statistical Services and Vital Facts About North Dakota for Twenty Years, and North Dakota State Dept. of Health, North Dakota Vital Statistics Report, 1982-1985.

TABLE 2.04

RESIDENT LIVE BIRTHS AND CRUDE BIRTH RATES BY NORTH DAKOTA COUNTY, 1980, and 1986

County	1980 Births	1980 Crude Birth Rate	1986 Births	1986 Crude Birth Rate
NORTH DAKOTA	11,995	18.4	10,824	15.9
Adams	56	15.6	64	18.0
Barnes	202	14.5	147	11.2
Benson	174	21.9	171	22.0
Billings	24	21.1	26	20.5
Bottineau	150	16.2	97	10.6
Bowman	70	16.6	63	14.7
Burke	61	16.0	34	9.4
Burleigh	1,015	18.5	940	15.6
Cass	1,519	17.2	1,563	16.0
Cavalier	122	16.0	81	11.8
Dickey	135	18.7	92	13.2
Divide	57	16.3	46	14.1
Dunn	95	20.5	80	16.4
Eddy	55	15.5	48	15.2
Emmons	59	10.0	62	11.0
Foster	71	15.4	55	12.1
Golden Valley	58	24.3	42	17.1
Grand Forks	1,334	20.2	1,277	18.4
Grant	70	16.4	51	12.1
Griggs	58	15.6	44	12.3
Hettinger	56	13.1	47	11.8
Kidder	60	15.7	31	8.3
LaMoure	120	18.5	76	12.5
Logan	47	13.5	29	9.1
McHenry	116	14.8	100	13.3
McIntosh	47	9.8	42	9.4
McKenzie	139	19.5	147	17.3
McLean	235	19.0	168	13.7
Mercer	200	21.3	205	14.8
Morton	526	20.9	365	14.2
Mountrail	140	18.2	129	16.0
Nelson	61	11.7	61	12.4
Oliver	47	18.8	39	14.8
Pembina	161	15.5	174	16.9
Pierce	102	16.5	79	13.6

TABLE 2.04--Continued

County	1980 Births	1980 Crude Birth Rate	1986 Births	1986 Crude Birth Rate
Ramsey	192	14.7	178	13.9
Ransom	113	16.9	69	10.7
Renville	60	16.6	53	14.9
Richland	319	16.6	297	15.6
Rolette	348	28.6	324	24.8
Sargent	79	14.3	57	11.0
Sheridan	33	11.7	32	12.3
Sioux	122	33.7	99	26.0
Slope	16	13.8	20	17.1
Stark	504	21.3	413	16.1
Steele	37	11.9	38	13.3
Stutsman	399	16.5	347	14.9
Towner	70	17.3	74	18.2
Traill	152	15.8	98	10.4
Walsh	240	15.6	216	14.1
Ward	1,281	21.9	1,269	20.7
Wells	96	13.8	91	13.4
Williams	487	21.9	474	18.0

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from the Division of Statistical Services.

TABLE 2.05

NUMBER OF LIVE BIRTHS IN NORTH DAKOTA BY AGE OF MOTHER, 1970-1985

Age of Mother	1970	1975	1976	1977	1978	1979
Under 15 Years	4	7	14	12	7	12
15-19 Years	1,431	1,535	1,475	1,455	1,306	1,187
20-24 Years	4,363	4,173	4,123	4,392	4,364	4,478
25-29 Years	2,928	3,239	3,469	3,787	3,836	4,006
30-34 Years	1,378	1,177	1,170	1,333	1,384	1,580
35-39 Years	665	385	375	375	361	391
40-44 Years	220	103	92	93	84	79
45 Years & Over	15	5	6	3	5	6
Total	11,004	10,624	10,724	11,450	11,347	11,882

Age of Mother	1980	1981	1982	1983	1984	1985
Under 15 Years	7	10	6	7	5	8
15-19 Years	1,330	1,249	1,258	1,154	1,001	906
20-24 Years	4,463	4,582	4,537	4,291	4,075	3,731
25-29 Years	4,225	4,391	4,410	4,424	4,293	4,281
30-34 Years	1,523	1,748	1,922	1,976	1,943	2,180
35-39 Years	368	364	457	460	442	512
40-44 Years	76	59	62	64	72	75
45 Years & Over	3	3	3	3	2	4
Total	11,995	12,406	12,655	12,380	11,833	11,697

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, unpublished data from the Division of Statistical Services, and 1977 "Provisional Reports.", and North Dakota State Dept. of Health, North Dakota Vital Statistical Reports, 1982-1985.

TABLE 2.06

RESIDENT DEATHS AND CRUDE DEATH RATES BY NORTH DAKOTA COUNTY, 1980, and 1986

County	1980		1986	
	Deaths	Crude Death Rate	Deaths	Crude Death Rate
NORTH DAKOTA	5,596	8.6	5,285	7.8
Adams	40	11.2	47	13.2
Barnes	163	11.7	151	11.5
Benson	93	11.7	68	8.8
Billings	10	8.8	5	3.9
Bottineau	99	10.7	108	11.8
Bowman	43	10.2	44	10.3
Burke	52	13.6	40	11.1
Burleigh	330	6.0	347	5.8
Cass	598	6.7	567	5.8
Cavalier	104	13.6	91	13.2
Dickey	81	11.2	92	13.2
Divide	50	14.3	32	9.8
Dunn	42	9.1	35	7.2
Eddy	53	14.9	56	17.7
Emmons	49	8.3	59	10.4
Foster	39	8.5	58	12.8
Golden Valley	18	7.5	15	6.1
Grand Forks	368	5.6	397	5.7
Grant	51	11.9	48	11.4
Griggs	58	15.6	48	13.4
Hettinger	40	9.4	44	11.1
Kidder	46	12.0	32	8.5
LaMoure	71	11.0	76	12.5
Logan	32	9.2	27	8.5
McHenry	111	14.1	85	11.3
McIntosh	74	15.4	59	13.2
McKenzie	50	7.0	43	5.1
McLean	109	8.8	100	8.2
Mercer	71	7.5	55	4.0
Morton	189	7.5	192	7.5
Mountrail	98	12.8	78	9.7
Nelson	76	14.5	77	15.7
Oliver	15	6.0	6	2.3
Pembina	125	1.0	111	10.8
Pierce	55	8.9	77	13.3

TABLE 2.06--Continued

County	1980		1986	
	Deaths	Crude Death Rate	Deaths	Grude Death Rate
Ramsey	134	10.3	130	10.2
Ransom	92	13.7	83	12.9
Renville	29	8.0	39	11.0
Richland	208	10.8	156	8.2
Rolette	108	8.9	98	7.5
Sargent	71	2.9	55	10.6
Sheridan	25	8.9	15	5.8
Sioux	37	10.2	36	9.4
Slope	11	9.5	7	6.0
Stark	178	7.5	155	6.1
Steele	29	9.3	22	7.7
Stutsman	234	9.7	192	8.2
Towner	50	12.3	45	11.1
Traill	131	13.6	118	12.5
Walsh	160	10.4	175	11.4
Ward	349	6.0	365	6.0
Wells	81	11.6	73	10.7
Williams	168	7.6	151	5.7

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from the Division of Statistical Services. North Dakota State Dept. of Health, North Dakota Vital Statistics Report, 1985.

TABLE 2.07

LEADING CAUSES OF RESIDENT DEATH AND CAUSE SPECIFIC RATES [1] NORTH DAKOTA AND UNITED STATES 1986

Cause	United States			North Dakota		
	Rank	Deaths	Death Rate	Rank	Deaths	Death Rate
Diseases of the Heart	1	763,380	316.7	1	1,882	277.1
Malignant Neoplasms	2	465,440	193.1	2	1,203	177.1
Cerebrovascular Disease	3	147,390	61.1	3	410	60.4
Accidents	4	93,990	39.0	4	228	33.6
Chronic Obstructive Pulmonary Diseases and Allied Conditions	5	75,220	31.2	6	198	29.2
Influenza and Pneumonia	6	69,250	28.7	5	226	33.3
Diabetes	7	36,240	15.0	8	86	12.7
Suicide	8	30,240	12.5	9	75	11.0
Cirrhosis of the Liver	9	26,140	10.8	NA	NA	NA
Atherosclerosis	10	22,060	9.8	7	99	14.6
Nephritis and Nephrosis	NA	NA	NA	10	72	10.6
All Other Causes		366,140	151.9		806	118.7
Subtotal		1,729,350	717.3		4,479	659.5
Total		2095490	869.2		5,285	778.2

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[1] Per 100,000 Resident Population

SOURCE: Compiled from ND State Dept. of Health, Biennial Report, various years, and unpublished data from the Division of Statistical Services.

TABLE 2.08

RESIDENT DEATHS FROM SELECTED CAUSES BY COUNTY OF RESIDENCE, 1985 and 1986

County	Tuberculosis		Malignant Neoplasms		Diabetes		Diseases of Heart	
	1985	1986	1985	1986	1985	1986	1985	1986
NORTH DAKOTA	2	1	1,221	1,203	113	86	2,136	1,882
Adams	0	0	7	9	--	0	16	23
Barnes	0	0	33	42	4	4	57	58
Benson	0	0	6	14	--	1	36	22
Billings	0	0	2	2	--	0	--	3
Bottineau	0	0	19	24	5	3	41	48
Bowman	0	0	13	12	2	0	14	10
Burke	0	0	13	10	1	2	12	13
Burleigh	1	0	70	82	7	7	117	115
Cass	0	0	134	135	7	14	209	196
Cavalier	0	0	14	26	1	0	44	36
Dickey	0	0	19	23	1	2	30	32
Divide	0	0	10	13	1	0	19	6
Dunn	0	0	6	7	1	0	13	12
Eddy	0	0	11	11	1	0	12	22
Emmons	0	0	14	11	1	2	27	18
Foster	0	0	8	13	--	0	15	20
Golden Valley	0	0	9	5	--	1	14	8
Grand Forks	0	0	99	77	10	10	177	128
Grant	0	0	5	10	--	0	18	17
Griggs	0	0	8	11	--	0	24	20
Hettinger	0	0	8	7	3	2	11	19
Kidder	0	0	5	12	1	1	12	11
LaMoure	0	0	13	18	--	1	29	31
Logan	0	0	13	6	2	0	8	13
McHenry	0	0	21	21	--	2	29	37
McIntosh	0	0	16	23	2	0	23	22
McKenzie	0	0	15	10	5	1	20	15
McLean	0	0	29	28	1	1	54	38
Mercer	0	0	11	15	4	0	33	19
Morton	0	0	47	39	5	2	69	78
Mountrail	0	0	26	12	7	1	23	27
Nelson	0	0	17	19	2	0	39	32
Oliver	0	0	6	1	--	0	6	4
Pembina	0	0	39	15	--	1	53	32
Pierce	0	0	23	14	--	3	24	24
Ramsey	0	0	27	33	2	1	60	57
Ransom	0	0	12	14	3	1	30	33
Renville	0	0	8	7	--	1	21	17
Richland	0	0	36	29	1	2	63	71
Rolette	0	1	23	18	6	2	51	28
Sargent	0	0	8	10	--	0	31	29
Sheridan	0	0	6	4	--	1	11	7
Sioux	1	0	4	9	1	2	5	7
Slope	0	0	--	1	--	0	4	3
Stark	0	0	29	38	3	2	54	56
Steele	0	0	7	4	3	0	11	11
Stutsman	0	0	56	39	4	3	92	64
Towner	0	0	5	7	--	0	29	22
Traill	0	0	28	24	--	2	61	48
Walsh	0	0	35	39	2	0	65	65
Ward	0	0	85	93	7	4	131	91
Wells	0	0	24	21	2	1	28	26
Williams	0	0	39	36	5	3	61	38

TABLE 2.08--Continued

County	Cerebro-vascular Diseases		Other Diseases of Arteries		Influenza & Pneumonia		Cirrhosis of Liver	
	1985	1986	1985	1986	1985	1986	1985	1986
NORTH DAKOTA	461	410	59	59	213	226	53	46
Adams	1	3	--	1	4	2	--	0
Barnes	14	13	2	2	8	7	--	1
Benson	2	2	--	0	2	2	3	4
Billings	--	0	--	0	--	0	--	0
Bottineau	3	8	1	2	9	2	2	2
Bowman	3	3	--	0	1	3	--	0
Burke	3	3	1	0	4	3	--	0
Burleigh	29	21	4	4	5	10	2	3
Cass	66	43	8	6	20	28	3	5
Cavalier	11	7	--	1	2	3	1	1
Dickey	5	5	2	1	5	6	2	1
Divide	6	3	--	0	2	4	--	0
Dunn	1	2	3	2	1	1	1	0
Eddy	3	5	2	0	9	10	--	0
Emmons	5	6	1	0	5	4	--	0
Foster	6	8	--	2	2	1	1	0
Golden Valley	1	1	1	0	--	0	--	0
Grand Forks	20	23	1	8	13	28	2	5
Grant	2	6	1	0	1	1	--	1
Griggs	3	0	1	0	1	3	--	1
Hettinger	2	6	2	1	--	1	--	0
Kidder	1	2	--	1	--	0	--	0
LaMoure	4	7	--	1	4	3	--	0
Logan	2	1	2	0	--	0	2	1
McHenry	7	3	2	1	3	2	2	2
McIntosh	6	3	1	0	2	5	--	0
McKenzie	5	3	2	1	4	2	1	1
McLean	11	11	--	0	--	1	1	0
Mercer	5	5	1	0	1	0	--	0
Morton	10	11	3	2	6	4	2	2
Mountrail	9	7	--	1	11	3	2	3
Nelson	9	10	--	0	3	0	--	0
Oliver	1	0	--	0	--	0	--	0
Pembina	27	20	2	2	--	2	--	0
Pierce	7	9	1	1	1	6	--	0
Ramsey	19	10	--	0	7	3	4	0
Ransom	3	7	--	0	4	6	--	0
Renville	1	5	--	0	3	2	--	0
Richland	23	12	--	4	9	8	--	1
Rolette	5	8	2	0	4	6	5	0
Sargent	5	1	1	1	4	2	--	0
Sheridan	3	1	--	0	1	0	1	0
Sioux	1	0	--	1	1	0	2	0
Slope	2	0	--	1	--	0	1	0
Stark	11	13	1	2	7	8	4	1
Steele	1	1	1	0	--	2	--	0
Stutsman	12	12	2	4	2	2	2	3
Towner	2	4	1	1	--	7	--	0
Traill	13	11	1	2	8	6	--	0
Walsh	16	18	--	0	12	7	2	2
Ward	27	25	3	2	13	11	5	3
Wells	10	6	--	0	2	3	--	0
Williams	15	16	3	1	7	6	--	3

TABLE 2.08--Continued

County	Nephritis, Nephresis		Accidents		Suicide		Congentital Anomalies	
	1985	1986	1985	1936	1985	1986	1985	1986
NORTH DAKOTA	56	72	218	228	93	75	26	29
Adams	--	0	2	1	1	1	1	1
Barnes	1	2	7	4	1	0	1	0
Benson	--	0	4	6	2	1	--	0
Billings	--	0	--	0	--	0	--	0
Bottineau	--	1	2	3	1	2	--	0
Bowman	--	0	1	3	--	1	1	0
Burke	--	1	3	2	--	1	--	0
Burleigh	7	2	7	13	12	6	3	3
Cass	3	7	15	22	17	8	4	0
Cavalier	2	1	3	1	--	1	1	1
Dickey	2	1	6	5	--	1	1	1
Divide	1	1	1	0	--	0	--	0
Dunn	1	0	1	5	1	0	1	0
Eddy	1	0	1	2	--	1	--	0
Emmons	--	0	5	3	1	4	--	2
Foster	--	0	2	3	2	1	--	0
Golden Valley	--	0	2	0	--	0	--	0
Grand Forks	3	2	17	14	10	7	3	1
Grant	1	1	5	1	--	0	--	0
Griggs	--	3	--	3	--	0	--	0
Hettinger	--	0	2	1	--	0	1	0
Kidder	2	1	--	1	--	0	--	1
LaMoure	--	2	3	2	--	0	--	0
Logan	--	0	--	1	--	0	--	0
McHenry	--	2	1	5	1	1	--	0
McIntosh	2	1	4	0	2	2	--	0
McKenzie	1	0	2	4	--	0	--	0
McLean	--	2	1	7	1	1	1	0
Mercer	2	1	1	4	3	0	--	1
Morton	1	3	4	11	5	3	--	4
Mountrail	2	1	8	2	--	2	1	0
Nelson	2	2	2	1	--	1	--	0
Oliver	2	0	--	0	--	0	--	0
Pembina	3	7	1	1	--	3	--	0
Pierce	2	1	2	2	1	3	--	0
Ramsey	--	2	9	4	4	0	--	0
Ransom	2	1	3	6	1	2	--	1
Renville	--	0	--	2	1	0	--	0
Richland	1	4	6	2	--	1	--	0
Rolette	--	2	11	8	1	0	1	0
Sargent	--	1	3	4	1	1	--	1
Sheridan	2	1	2	0	--	0	1	0
Sioux	--	1	5	8	--	1	--	1
Slope	--	0	--	0	--	1	--	0
Stark	1	1	9	7	5	3	2	1
Steele	1	0	2	2	--	0	--	0
Stutsman	--	4	8	6	6	2	--	2
Towner	--	0	1	0	1	1	--	0
Traill	2	3	3	4	--	2	1	0
Walsh	2	2	7	6	3	2	--	2
Ward	1	3	20	24	6	5	1	6
Wells	1	0	1	3	--	0	--	0
Williams	2	2	13	9	3	3	1	0

TABLE 2.08--Continued

County	Homicide		Diseases of Early Infancy		Other Causes (Residual)		Athero- sclerosis	
	1985	1986	1985	1986	1985	1986	1985	1986
NORTH DAKOTA	15	10	48	31	624	630	106	99
Adams	0	0	--	1	5	5	1	0
Barnes	0	0	--	0	17	15	6	1
Benson	1	0	1	1	8	13	--	0
Billings	0	0	--	0	3	0	--	0
Bottineau	1	0	1	0	4	10	1	2
Bowman	0	0	--	0	5	5	5	5
Burke	0	0	--	0	5	1	--	1
Burleigh	2	0	6	0	48	63	2	8
Cass	3	2	16	4	73	61	9	16
Cavalier	0	0	--	0	6	10	1	1
Dickey	0	0	1	0	5	8	3	2
Divide	0	0	--	0	2	3	--	0
Dunn	0	1	2	0	3	2	--	0
Eddy	0	0	1	1	6	4	1	0
Emmons	0	0	--	0	6	7	1	2
Foster	0	0	--	0	4	6	7	3
Golden Valley	0	0	1	0	2	0	--	0
Grand Forks	0	1	1	5	51	68	5	7
Grant	0	0	--	0	8	10	--	0
Griggs	0	1	--	1	2	3	--	1
Hettinger	0	0	--	0	2	4	--	2
Kidder	0	0	--	0	3	1	--	1
LaMoure	0	0	--	3	4	6	1	1
Logan	0	0	--	0	--	5	--	0
McHenry	0	1	--	0	6	6	1	0
McIntosh	1	0	--	0	6	2	--	1
McKenzie	0	0	--	0	10	3	--	0
McLean	1	0	--	1	16	7	--	0
Mercer	0	0	1	1	5	5	2	0
Morton	0	0	2	0	24	18	--	1
Mountrail	0	1	--	1	13	8	2	5
Nelson	0	0	--	1	3	6	1	1
Oliver	0	0	--	0	1	1	--	0
Pembina	0	1	--	2	6	13	9	5
Pierce	0	0	1	0	10	12	3	0
Ramsey	0	1	--	0	12	11	--	3
Ransom	0	0	1	1	8	9	--	0
Renville	0	0	--	1	7	2	--	0
Richland	0	0	1	0	14	16	5	1
Rolette	2	1	1	0	13	12	--	2
Sargent	0	0	--	0	7	2	--	0
Sheridan	0	0	--	0	2	1	--	0
Sioux	0	0	1	0	0	6	--	0
Slope	0	0	--	0	1	1	--	0
Stark	0	0	1	2	17	13	5	2
Steele	0	0	--	0	2	1	--	1
Stutsman	0	0	1	1	28	25	11	11
Towner	0	0	--	1	7	1	--	0
Traill	0	0	--	0	5	10	6	1
Walsh	1	0	2	0	23	24	2	2
Ward	3	0	3	3	64	77	4	2
Wells	0	0	--	0	13	8	1	0
Williams	0	0	3	0	21	18	11	8

TABLE 2.08--Continued

	Chronic Obstructive Pulmonary Disease				
County	1985	1986	County	1985	1986
NORTH DAKOTA	191	198			
Adams	2	0	Mercer	2	4
Barnes	9	2	Morton	9	14
Benson	2	2	Mountrail	6	4
Billings	--	0	Nelson	4	2
Bottineau	3	1	Oliver	--	0
Bowman	1	2	Pembina	2	7
Burke	--	3	Pierce	1	2
Burleigh	16	10	Ramsey	4	5
Cass	26	20	Ransom	4	2
Cavalier	1	2	Renville	--	2
Dickey	5	4	Richland	4	5
Divide	3	2	Rolette	2	10
Dunn	1	3	Sargent	4	3
Eddy	4	0	Sheridan	1	0
Emmons	1	0	Sioux	--	0
Foster	2	1	Slope	1	0
Golden Valley	2	0	Stark	5	6
Grand Forks	11	13	Steele	1	0
Grant	--	1	Stutsman	8	14
Griggs	2	1	Towner	1	1
Hettinger	1	1	Traill	2	5
Kidder	--	0	Walsh	7	6
LaMoure	1	1	Ward	10	16
Logan	--	0	Wells	4	5
McHenry	4	2	Williams	6	8
McIntosh	3	0			
McKenzie	1	3			

SOURCE: North Dakota State Dept. of Health, Community Health Section, Division of Disease Control.

TABLE 2.09

RESIDENT INFANT DEATHS BY NORTH DAKOTA COUNTY, 1970, 1980, AND 1986

County	Infant Deaths 1970	Infant Deaths 1980	Infant Deaths 1986	County	Infant Deaths 1970	Infant Deaths 1980	Infant Deaths 1986
NORTH DAKOTA	157	145	90				
Adams	--	1	2	Mountrail	2	4	2
Barnes	6	2	0	Nelson	--	--	1
Benson	2	4	2	Oliver	1	2	0
Billings	--	1	0	Pembina	4	1	2
Bottineau	4	1	0	Pierce	--	1	1
Bowman	--	--	0	Ramsey	1	2	0
Burke	--	1	0	Ransom	1	2	2
Burleigh	11	13	5	Renville	--	1	1
Cass	15	14	8	Richland	7	7	1
Cavalier	1	2	1	Rolette	6	3	2
Dickey	--	1	4	Sargent	1	1	0
Divide	1	1	--	Sheridan	--	--	0
Dunn	4	1	--	Sioux	1	1	3
Eddy	1	--	1	Slope	1	1	0
Emmons	2	--	1	Stark	6	4	4
Foster	2	3	0	Steele	2	1	0
Golden Valley	--	--	0	Stutsman	5	4	4
Grand Forks	15	13	14	Towner	1	--	1
Grant	--	1	--	Traill	1	1	0
Griggs	--	--	1	Walsh	4	2	2
Hettinger	--	1	0	Ward	15	10	13
Kidder	1	2	1	Wells	2	1	0
LaMoure	2	1	3	Williams	8	12	0
Logan	1	--	0				
McHenry	1	1	--				
McIntosh	4	1	0				
McKenzie	--	1	0				
McLean	2	6	1				
Mercer	5	6	3				
Morton	8	6	4				

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from the Community Health Section, Division of Disease Control.

TABLE 2.10

FATALITIES OCCURRING IN NORTH DAKOTA BY TYPE OF ACCIDENT, 1970-1986

Type of Accident	1970	1980	1984	1985	1986
Work Total	39	27	32	20	18
Agriculture	20	16	16	11	12
Mining, Quarry, Oil-Gas Wells	2	2	3	2	0
Construction	7	4	7	1	1
Manufacturing	1	0	1	1	0
Transporation & Public Utilities	0	2	2	0	3
Trade	2	3	0	2	0
Service	5	0	2	2	1
Government	1	0	1	0	1
Other & Unspegified Industry	1	0	0	1	0
Home Total	81	65	76	55	45
Poisonings (gas excepted)	2	4	4	2	3
Poisonings by Gas & Vapors	6	5	3	4	2
Falls	33	29	35	21	17
Fires	15	6	13	6	7
Drowning	0	0	1	1	1
Suffocation, Ingested Food, Object	4	5	5	5	1
Suffocation, Mechanical	3	1	2	0	1
Firearms	4	4	5	3	4
Other & Unspecified Home Accidents	14	11	8	13	9
Motor Vehicle Total	201	185	129	113	120
Injury to Pedestrian	23	18	11	11	9
Injury to Pedal Cyclist	2	3	3	2	0
Injury to Rider of Animal or Occupant of Animal-Drawn Vehicle	1	0	0	0	0
Collision With Railroad Train	6	6	2	2	3
Collision With Other Motor Vehicle	89	55	50	45	52
Collision With Fixed Object	21	26	19	15	12
Non-Collision	57	67	30	30	34
Other & Unspecified Accidents	2	10	14	8	10
Public Non-Motor Vehicle Total	85	78	78	54	62
Railroad--Not With Motor Vehicle	7	3	5	1	2
Other Vehicle--Not With Motor Vehicle	2	4	0	0	1
Water Transport	4	5	8	2	1
Air Transport	3	3	2	0	4
Falls	29	24	19	17	25
Fires	1	0	0	1	0
Drowning	15	7	6	7	7
Firearms	6	1	1	3	1
Other & Unspecified Public Accidents	18	31	37	23	21
Accident Type Unknown & Late Effects	5	3	2	2	4
TOTAL	411	358	317	244	249

SOURCE: North Dakota State Dept. of Health, unpublished data, various years.

TABLE 2.11

COMMUNICABLE DISEASES REPORTED IN NORTH DAKOTA, SELECTED YEARS, 1970-1986

Disease	1970	1975	1980	1985	1986
Aids	--	--	--	1	2
Anthrax	--	--	--	--	--
Ascariasis	--	--	21	NR	NR
Brucellosis	1	--	--	NR	NR
Chickenpox	616	304	731	1,069	563
Conjunctivities	1,016	662	505	NR	NR
Diptheria	--	6	--	--	--
Encephalitis	5	54	--	1	5
Erysipelas	16	2	NR	NR	NR
Fifth Disease	--	--	--	NR	NR
Gonorrhea	533	1,015	767	352	345
Histoplasmosis	--	1	--	1	0
Impetigo	437	416	150	NR	NR
Infectuious Hepatitis	79	155	57	233	45
Serum Hepatitis	--	6	--	22	16
Infectious Mono.	--	161	6	NR	NR
Influenza & Inf.- Like	4,142	6,326	4,576	2,602	4,258
Legionnaires' Disease	--	--	16	1	4
Malaria	5	1	--	0	24
Measles	307	1,060	--	2	1
Meningitis	6	--	3	5	1
Aseptic Meningitis	3	4	1	7	8
Mumps	314	528	4	4	4
Pneumonia	4,018	3,090	NR	NR	NR
Rabies in Animals	57	99	255	151	163
Rheumatic Fever	40	44	2	1	2
Ringworm	36	20	9	NR	NR
Rocky Mt. Spotted Fever	--	--	--	1	1
Rubella	138	64	6	2	--
Salmonellosis	25	48	87	82	77
Scabies	13	25	NR	11	0
Shigellosis	25	14	NR	20	18
Streptococcal Inf.	4,668	3,782	4,463	NR	NR
Syphillis	34	35	13	5	7
Tetanus	--	--	--	--	--
Tuberculosis	35	26	54	12	10
Tularemia	1	--	--	--	--
Typhoid Fever	2	--	--	--	--
Pertussis	6	1	7	10	6

SOURCE: North Dakota State Dept. of Health, Community Health Section, Division of Disease Control.

NR Not Reportable. -Removed from list of Communicable Diseses.

TABLE 2.12
IMMUNIZATION STATUS OF SCHOOL CHILDREN IN NORTH DAKOTA, 1975-1986

Vaccine	Percent Protected						
	1975	1980	1982	1983	1984	1985	1986
DPT	83	99	98	98	98	98	98
Polio	72	99	98	98	98	98	98
Measles	93	99	98	98	98	98	98
Rubella	86	99	98	98	98	98	98
Mumps	75	99	98	98	98	98	98

SOURCE: North Dakota State Dept. of Health, Community Health Section, Division of Disease Control.

TABLE 2.13

IMMUNIZATION STATUS OF PRESCHOOL CHILDREN IN NORTH DAKOTA, 1975-1986

Vaccine	Percent Protected						
	1975	1980	1982	1983	1984	1985	1986
DPT	92	98	98	98	96	95	96
Polio	88	98	98	98	96	95	96
Measles	88	95	98	98	96	95	96
Rubella	84	95	98	98	96	95	96
Mumps	75	95	98	98	96	95	96

SOURCE: North Dakota State Dept. of Health, Community Health Section, Division of Disease Control.

TABLE 2.14

GENERAL HOSPITALS,[*] SKILLED NURSING HOMES, AND INTERMEDIATE CARE FACILITIES BY NORTH DAKOTA CITIES, JANUARY 1987

City	General Hospitals		Skilled Nursing Homes		Intermediate Care Facilities	
	Number	Total Beds	Number	Total Beds	Number	Total Beds
NORTH DAKOTA	52	4,047	59	4,674	36	2,154
Aneta	-	-	-	-	1	51
Ashley	1	26	1	30	-	-
Arthur	-	-	-	-	1	96
Beach	-	27	-	-	-	-
Beulah	-	-	1	70	-	-
Bismarck	2	569	3	382	-	-
Bottineau	1	41	1	26	1	81
Bowman	1	40	1	63	-	-
Cando	1	22	1	74	-	-
Carrington	1	30	2	55	-	-
Cavalier	1	51	1	60	-	-
Cooperstown	1	24	1	50	-	-
Crosby	1	28	-	-	1	81
Devils Lake	1	110	1	108	1	84
Dickinson	1	109	2	96	1	75
Dunseith	-	-	1	40	-	-
Elgin	1	25	1	25	-	-
Ellendale	1	21	1	84	-	-
Enderlin	-	-	-	-	1	62
Fargo	3	800	5	559	1	96
Forman	-	-	-	-	1	62
Garrison	1	32	1	71	1	24
Glen Ullin	-	-	1	86	-	-
Grafton	1	48	1	119	-	-
Grand Forks	1	352	1	160	1	118
Hankinson	1	22	1	23	-	-
Harvey	1	51	1	116	-	-
Hatton	-	-	1	60	-	-
Hazen	1	39	-	-	-	-
Hettinger	1	46	1	88	-	-
Hillsboro	1	24	1	50	-	-
Jamestown	1	127	2	216	1	26
Kenmare	1	24	1	12	-	-
Lakota	-	-	-	-	1	58
LaMoure	-	-	-	-	1	60
Langdon	1	38	1	63	-	-
Linton	1	27	-	-	-	-
Larimore	-	-	-	-	1	68
Lisbon	1	25	1	45	1	40
Mandan	2	145	1	92	2	37
Mayville	1	40	1	69	1	30
McVille	1	19	1	52	-	-
Minot	2	428	2	314	1	121
Mohall	1	30	-	-	1	59
Mott	-	-	-	-	1	60
Napoleon	-	-	-	-	1	44
New Rockford	1	26	1	50	1	20
New Salem	-	-	-	-	1	60

TABLE 2.14--Continued

City	General Hospitals		Skilled Nursing Homes		Intermediate Care Facilities	
	Number	Total Beds	Number	Total Beds	Number	Total Beds
New Town	-	-	1	67	-	-
Northwood	1	26	1	90	-	-
Oakes	1	36	-	-	1	142
Osnabrock	-	-	-	-	1	41
Park River	1	30	1	80	-	-
Parshall	-	-	-	-	1	60
Richardton	1	26	-	-	-	-
Rolla	1	59	1	26	1	22
Rugby	1	49	1	74	1	30
Stanley	1	28	1	41	1	16
Steele	-	-	-	-	1	42
Strasburg	-	-	1	80	-	-
Tioga	1	29	1	30	-	-
Turtle Lake	1	35	-	-	-	-
Underwood	-	-	1	64	-	-
Valley City	1	75	1	75	1	80
Velva	-	-	-	-	1	48
Wahpeton	-	-	1	110	1	48
Walhalla	-	-	1	60	-	-
Watford City	1	26	1	49	-	-
Westhope	-	-	1	59	-	-
Williston	1	123	1	118	1	61
Wiskek	1	31	1	95	-	-

SOURCE: Compiled from data supplied by North Dakota State Dept. of Health, Division of Health Facilities.

* Excludes State Hospitals (located in Grand Forks, Rolette, Stutsman and Walsh Counties) and Federal Hospitals (located in Cass, Grand Forks, Rolette, Sioux and Ward Counties).

TABLE 2.15

NORTH DAKOTA HOSPITAL STATISTICS BY SIZE OF HOSPITAL, 1984

Classification	Hospitals	Beds	Admissions	Inpatient Days	Occupancy %
NORTH DAKOTA	60	6,303	152,701	1,532,634	66.4%
6 - 24 beds	3	64	1,265	7,434	31.3
25 - 49	26	871	30,024	140,319	44.0
50 - 99	13	809	14,954	188,375	63.8
100 - 199	10	1,419	39,996	344,381	66.3
200 - 299	4	1,010	27,118	287,164	77.6
300 - 399	1	301	12,427	75,345	68.4
400 - 499	1	458	15,599	128,853	76.9
500 or more	2	1,371	11,318	360,763	71.9

Classification	Average Daily Census	Surgical Operations	Outpatient Visits		
			Emergency	Other	Total
NORTH DAKOTA	4,188	74,089	196,274	498,564	694,838
6 - 24 beds	20	171	1,743	6,384	8,127
25 - 49	383	8,183	67,614	308,691	376,305
50 - 99	516	3,307	18,102	62,215	80,317
100 - 199	941	22,333	40,788	50,969	91,757
200 - 299	784	16,664	33,016	47,307	80,323
300 - 399	206	9,175	14,109	15,690	29,799
400 - 499	352	9,494	15,740	897	16,637
500 or more	986	4,762	5,162	6,411	11,573

SOURCE: American Hospital Association, Hospital Statistics, 1985 Edition.

TABLE 2.16

SELECTED LICENSED MEDICAL PROFESSIONALS BY
NORTH DAKOTA COUNTY, 1988

County	Physician	Dentist	Pharmacist	Chiropractor	Registered Nurse	Licensed Practical Nurse
	Medical Profession					
NORTH DAKOTA	945	322	556	111	6,171	2,747
Adams	14	1	5	0	50	11
Barnes	9	6	9	3	77	50
Benson	0	2	1	0	16	20
Billings	0	0	0	0	2	1
Bottineau	4	4	5	3	71	39
Bowman	3	3	4	2	36	11
Burke	0	2	0	0	13	14
Burleigh	166	41	62	19	885	263
Cass	289	64	144	15	1,591	448
Cavalier	2	3	4	2	36	19
Dickey	4	2	4	2	49	28
Divide	2	2	5	0	21	9
Dunn	0	1	1	0	~~11~~	7
Eddy	2	2	2	0	22	11
Emmons	2	2	3	1	27	7
Foster	4	3	4	2	25	21
Golden Valley	1	1	1	0	14	6
Grand Forks	129	25	46	7	730	274
Grant	2	1	1	0	20	15
Griggs	2	1	4	0	16	16
Hettinger	0	2	4	0	22	14
Kidder	0	1	2	0	11	3
LaMoure	0	3	0	0	31	19
Logan	0	2	3	0	9	7
McHenry	3	2	4	0	39	22
McIntosh	3	2	5	1	29	26
McKenzie	3	1	3	1	27	13
McLean	6	6	4	1	77	49
Mercer	6	4	4	1	53	26
Morton	9	8	13	3	197	67

TABLE 2.16--Continued

County	Medical Profession					
	Physician	Dentist	Pharmacist	Chiropractor	Registered Nurse	Licensed Practical Nurse
Mountrail	7	3	6	1	45	18
Nelson	2	2	4	0	35	24
Oliver	0	1	1	0	5	5
Pembina	5	3	7	2	59	50
Pierce	6	2	6	1	45	41
Ramsey	18	8	12	4	104	118
Ransom	4	4	6	3	35	28
Renville	2	3	2	0	26	12
Richland	19	11	10	6	82	72
Rolette	10	3	8	0	54	63
Sargent	0	2	1	0	15	28
Sheridan	0	1	0	0	11	1
Sioux	3	0	0	0	9	3
Slope	0	1	0	0	1	1
Stark	25	3	17	6	212	86
Steele	1	1	22	0	15	2
Stutsman	39	11	6	5	204	154
Towner	2	2	10	0	28	16
Traill	6	4	13	1	67	32
Walsh	9	8	0	1	110	88
Ward	88	30	46	11	584	219
Wells	4	4	8	3	39	34
Williams	30	18	24	4	179	136

SOURCE: North Dakota Medical Association; North Dakota Department of Health, Division of Dental Health; North Dakota State Board of Pharmacy; State Board of Nursing.

TABLE 2.17

STATISTICS OF THE NORTH DAKOTA STATE HOSPITAL, SELECTED BIENNIA, 1885-1987

Biennium	Census	Employees	Admissions Per Biennium	Discharges Per Biennium	Per Diem*
6 30 1885	58	---	---	---	$ ---
6 30 1886	106	---	1,118	46	0.54
6 30 1890	221	54	186	121	0.80
6 30 1900	383	55	279	226	0.42
6 30 1910	653	90	458	354	0.50
6 30 1920	1,288	197	516	419	0.72
6 30 1930	1,507	195	587	378	0.94
6 30 1940	1,928	279	947	838	0.74
6 30 1950	2,118	299	994	890	1.36
6 30 1952	2,096	324	1,043	1,065	1.57
6 30 1954	2,068	461	1,139	1,167	2.34
6 30 1956	1,993	518	1,681	1,756	2.91
6 30 1958	1,814	529	2,212	2,312	3.49
6 30 1960	1,695	530	2,734	2,853	5.36
6 30 1962	1,738	578	3,002	2,959	5.87
6 30 1964	1,520	627	2,794	3,012	6.87
6 30 1966	1,424	658	2,785	2,881	7.53
6 30 1968	1,208	643	2,829	3,045	12.09
6 30 1970	906	720	3,400	3,702	15.55
6 30 1972	674	766	3,768	4,000	23.23
6 30 1973**	595	714	1,975	2,054	26.72
6 30 1975	571	751	4,636	4,672	34.35
6 30 1977	597	779	4,723	4,697	40.68
6 30 1979	604	739	4,750	4,743	47.46
6 30 1981	549	762	5,208	5,263	66.70
6 30 1983	512	805	5,933	5,950	81.56
6 30 1985	526	805	5,746	5,692	100.08
6 30 1987	441	810	5,541	5,862	133.52

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from the Division of Statistical Services.

* Depreciation not included prior to 1960.

** For one year only.

TABLE 2.18

NORTH DAKOTA STATE DEPARTMENT OF HEALTH
AND CONSOLIDATED LABORATORIES
DIVISION OF COMMUNITY HEALTH NURSING

CLIENT CONTACTS

	1982	1983	1984	1985	1986
Maternal & Child Health	45,175	126,161	132,430	128,828	154,076
Mental Health	884	15,870	4,412	4,684	3,622
Skilled Nursing	13,640	39,082	44,400	49,799	51,061
Health Promotion	23,584	76,772	80,215	80,996	89,220
Communicable Disease	20,392	58,276	53,836	51,125	60,886

SOURCE: North Dakota State Dept. of Health, Division of Community Health Nursing.

TABLE 2.19

MARRIAGES AND DIVORCES IN NORTH DAKOTA: NUMBER AND RATE PER 1,000 POPULATION, SELECTED YEARS, 1955-1985

Year	Number of Marriages	Marriages Per 1,000 Population	Number of Divorces	Divorces Per 1,000 Population
1955	4,241	6.90	543	0.88
1960	4,041	6.39	596	0.94
1965	4,939	7.59	720	1.11
1970	5,340	8.64	971	1.57
1971	5,648	8.99	1,172	1.87
1972	5,866	9.25	1,289	2.03
1973	5,874	9.25	1,409	2.22
1974	5,905	9.27	1,578	2.48
1975	5,993	9.41	1,706	2.68
1976	5,649	8.76	1,852	2.87
1977	5,668	8.68	1,944	2.98
1978	5,651	8.70	2,071	3.20
1979	6,022	9.20	2,095	3.20
1980	6,093	9.34	2,142	3.27
1981	6,204	9.40	2,319	3.50
1982	6,195	9.20	2,202	3.30
1983	5,976	8.80	2,336	3.40
1984	5,796	8.40	2,249	3.30
1985	5,424	7.90	2,295	3.40

SOURCE: North Dakota State Dept. of Health, *Biennial Report*, various years, unpublished data from the Division of Statistical Services, 1977 "Provisional Reports," and U.S. Dept. of Commerce, *Current Population Reports*, and North Dakota State Dept. of Health, *North Dakota Vital Statistics Report*, 1985.

TABLE 2.21

MARRIAGES AND DIVORCES BY NORTH DAKOTA COUNTY WHERE LICENSE GRANTED AND DECREE FILED, SELECTED YEARS, 1970-1985

	Marriages							
County	1970	1975	1980	1981	1982	1983	1984	1985
NORTH DAKOTA	5,340	5,993	6,094	6,204	6,195	5,976	5,796	5,424
Adams	43	36	39	42	26	24	27	23
Barnes	137	140	131	128	136	109	92	102
Benson	62	60	73	58	53	52	64	50
Billings	8	8	9	15	10	7	7	5
Bottineau	78	71	83	77	76	61	61	66
Bowman	39	39	38	36	38	39	49	31
Burke	23	39	37	27	20	25	29	22
Burleigh	408	558	602	574	608	598	581	549
Cass	681	755	814	827	869	842	848	825
Cavalier	64	99	50	66	67	51	40	48
Dickey	59	45	52	53	52	47	48	32
Divide	38	40	21	31	23	25	20	17
Dunn	40	34	33	34	52	40	27	22
Eddy	29	28	31	20	33	25	21	24
Emmons	48	40	35	39	43	33	31	25
Foster	43	41	53	45	48	56	39	40
Golden Valley	27	23	19	21	23	22	16	15
Grand Forks	542	597	681	675	684	719	654	648
Grant	39	35	24	24	21	28	24	19
Griggs	45	45	29	35	21	27	34	21
Hettinger	28	34	26	31	33	31	25	18
Kidder	24	37	30	20	13	25	10	17
LaMoure	60	52	37	39	34	29	46	36
Logan	33	20	21	17	22	26	13	15
McHenry	52	56	40	47	42	53	40	40
McIntosh	22	34	32	33	43	14	31	31
McKenzie	48	44	57	74	72	48	44	64
McLean	88	101	99	87	72	76	79	49
Mercer	48	49	86	88	99	124	108	91
Morton	186	218	210	229	209	215	204	199
Mountrail	87	77	68	82	68	61	65	45
Nelson	35	41	33	27	37	25	29	41
Oliver	17	11	11	14	21	18	13	12
Pembina	106	99	79	88	80	67	80	68
Pierce	68	56	50	47	55	46	42	43

TABLE 2.21--Continued

County	Marriages							
	1970	1965	1980	1981	1982	1983	1984	1985
Ramsey	112	136	133	120	101	106	106	103
Ransom	45	53	45	47	49	45	34	45
Renville	36	23	21	36	30	29	21	19
Richland	123	165	144	145	144	117	147	129
Rolette	93	121	107	93	96	48	60	50
Sargent	47	41	36	26	39	40	40	32
Sheridan	25	21	12	18	22	12	16	19
Sioux	24	27	41	45	43	32	54	36
Slope	9	7	5	4	4	2	7	4
Stark	202	220	293	335	309	275	270	227
Steele	24	23	15	15	21	25	24	16
Stutsman	231	213	237	205	230	220	220	202
Towner	33	39	29	27	30	34	40	32
Traill	66	66	70	65	68	62	61	61
Walsh	130	150	124	111	120	143	141	109
Ward	532	761	747	754	697	745	688	688
Wells	61	61	47	55	46	63	60	53
Williams	192	202	255	353	349	290	266	246
	Divorces							
NORTH DAKOTA	971	1,706	2,134	2,310	2,193	2,336	2,249	2,295
Adams	5	9	7	14	7	8	10	13
Barnes	23	56	47	27	37	29	52	45
Benson	4	8	10	9	8	11	10	4
Billings	1	1	--	3	--	2	2	5
Bottineau	8	11	21	16	25	17	26	19
Bowman	3	4	6	16	11	14	7	1
Burke	7	6	3	4	5	1	6	6
Burleigh	74	175	246	256	248	238	251	208
Cass	167	293	349	369	370	381	386	389
Cavalier	2	15	11	9	11	12	15	12
Dickey	10	7	12	15	10	11	11	11
Divide	2	13	3	15	12	4	10	12
Dunn	3	--	8	8	6	9	3	7
Eddy	4	8	5	2	5	6	6	7
Emmons	3	3	5	8	7	3	6	9
Foster	10	15	8	7	11	9	7	9
Golden Valley	1	1	2	10	5	7	4	3
Grand Forks	98	250	329	306	275	318	284	303
Grant	1	--	1	3	3	2	5	5
Griggs	3	5	8	9	7	7	5	1

TABLE 2.21--Continued

County	Divorces 1970	1975	1980	1981	1982	1983	1984	1985
Hettinger	--	--	2	7	2	9	4	4
Kidder	10	5	6	6	5	11	8	6
LaMoure	7	8	6	6	5	11	6	6
Logan	4	1	3	--	2	1	4	3
McHenry	6	4	8	4	8	6	8	6
McIntosh	4	6	5	5	2	5	2	6
McKenzie	8	10	16	18	15	26	17	20
McLean	20	12	28	23	17	22	30	17
Mercer	4	11	19	25	26	44	41	32
Morton	23	45	53	87	76	77	55	59
Mountrail	18	16	22	18	14	12	15	17
Nelson	5	6	14	11	7	6	5	7
Oliver	--	1	6	4	4	4	5	7
Pembina	10	21	24	27	21	17	30	26
Pierce	11	21	20	11	11	17	12	9
Ramsey	26	53	41	34	40	43	52	62
Ransom	4	9	15	15	17	24	19	12
Renville	2	--	3	6	3	4	1	4
Richland	16	25	41	44	45	51	34	38
Rolette	11	18	10	5	7	13	6	5
Sargent	7	7	5	6	8	4	10	10
Sheridan	1	6	3	2	3	1	3	2
Sioux	4	1	1	1	--	2	1	2
Slope	1	2	--	1	1	1	--	2
Stark	26	47	85	98	112	104	107	132
Steele	5	3	4	1	3	4	1	--
Stutsman	58	81	134	125	95	110	104	127
Towner	3	2	4	6	9	10	6	10
Traill	53	45	22	20	28	36	36	55
Walsh	20	23	28	44	42	38	44	54
Ward	126	266	329	386	332	357	329	350
Wells	2	7	5	6	8	8	11	7
Williams	47	62	91	152	162	169	134	129

SOURCE: North Dakota State Dept. of Health, Biennial Report, various years, and unpublished data from the Division of Statistical Services and 1977 "Provisional Reports.", and North Dakota State Dept. of Health, North Dakota Vital Statistics Reports, 1982-1985.

3.00

GEOGRAPHY AND CLIMATE

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TABLE 2.20

Marriages by Age and Sex
North Dakota Occurrences
1982-1986

Number of Marriages

Ages	1982		1983		1984		1985		1986	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Under 20 Years	384	1,316	349	1,157	267	994	243	827	202	701
20-24 Years	2,898	2,876	2,635	2,735	2,499	2,614	2,301	2,460	2,079	2,300
25-29 Years	1,559	1,084	1,557	1,116	1,508	1,176	1,397	1,087	1,462	1,132
30-39 Years	868	594	907	619	1,012	663	963	699	926	677
40-49 Years	261	174	262	177	274	173	274	193	245	178
50-59 Years	127	83	139	77	111	82	123	76	109	65
60-69 Years	58	52	75	61	79	70	75	47	63	62
70 Years and Over	40	16	52	34	46	24	48	35	62	33
Not Stated	--	--	--	--	--	--	--	--	--	--
Total	6,195	6,195	5,976	5,976	5,796	5,796	5,424	5,424	5,148	5,148
Median Age	25	23	25	23	25	24	25	24	26	24

SOURCE: North Dakota State Dept. of Health, unpublished data from the Division of Statistical Services.

TABLE 3.02

LAND AREA OF NORTH DAKOTA COUNTIES

County	Land Area (Square Miles)	Rank	County	Land Area (Square Miles)	Rank
NORTH DAKOTA	69,280.0	--			
Adams	989.2	42	Mountrail	1,819.1	9
Barnes	1,479.1	16	Nelson	995.2	40
Benson	1,402.7	19	Oliver	720.8	49
Billings	1,139.0	29	Pembina	1,124.0	33
Bottineau	1,677.2	11	Pierce	1,037.9	37
Bowman	1,169.9	27	Ramsey	1,248.3	25
Burke	1,118.7	32	Ransom	861.3	46
Burleigh	1,625.3	13	Renville	886.3	45
Cass	1,748.9	10	Richland	1,449.1	17
Cavalier	1,511.7	14	Rolette	912.5	49
Dickey	1,143.2	28	Sargent	852.9	48
Divide	1,299.7	22	Sheridan	988.6	43
Dunn	1,992.2	6	Sioux	1,102.8	34
Eddy	635.0	53	Slope	1,224.7	26
Emmons	1,503.1	15	Stark	1,316.1	21
Foster	645.4	52	Steele	710.2	50
Golden Valley	1,014.0	38	Stutsman	2,264.3	2
Grand Forks	1,438.0	18	Towner	1,042.9	35
Grant	1,665.8	12	Traill	861.0	47
Griggs	709.9	51	Walsh	1,285.9	24
Hettinger	1,134.4	31	Ward	2,044.0	5
Kidder	1,357.6	20	Wells	1,298.9	23
LaMoure	1,135.9	30	Williams	2,064.2	4
Logan	1,000.5	39			
McHenry	1,879.3	8			
McIntosh	991.7	41			
McKenzie	2,735.0	1			
McLean	2,065.0	3			
Mercer	1,041.5	36			
Morton	1,920.2	7			

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Area Measurement Reports, May 1970.

TABLE 3.03

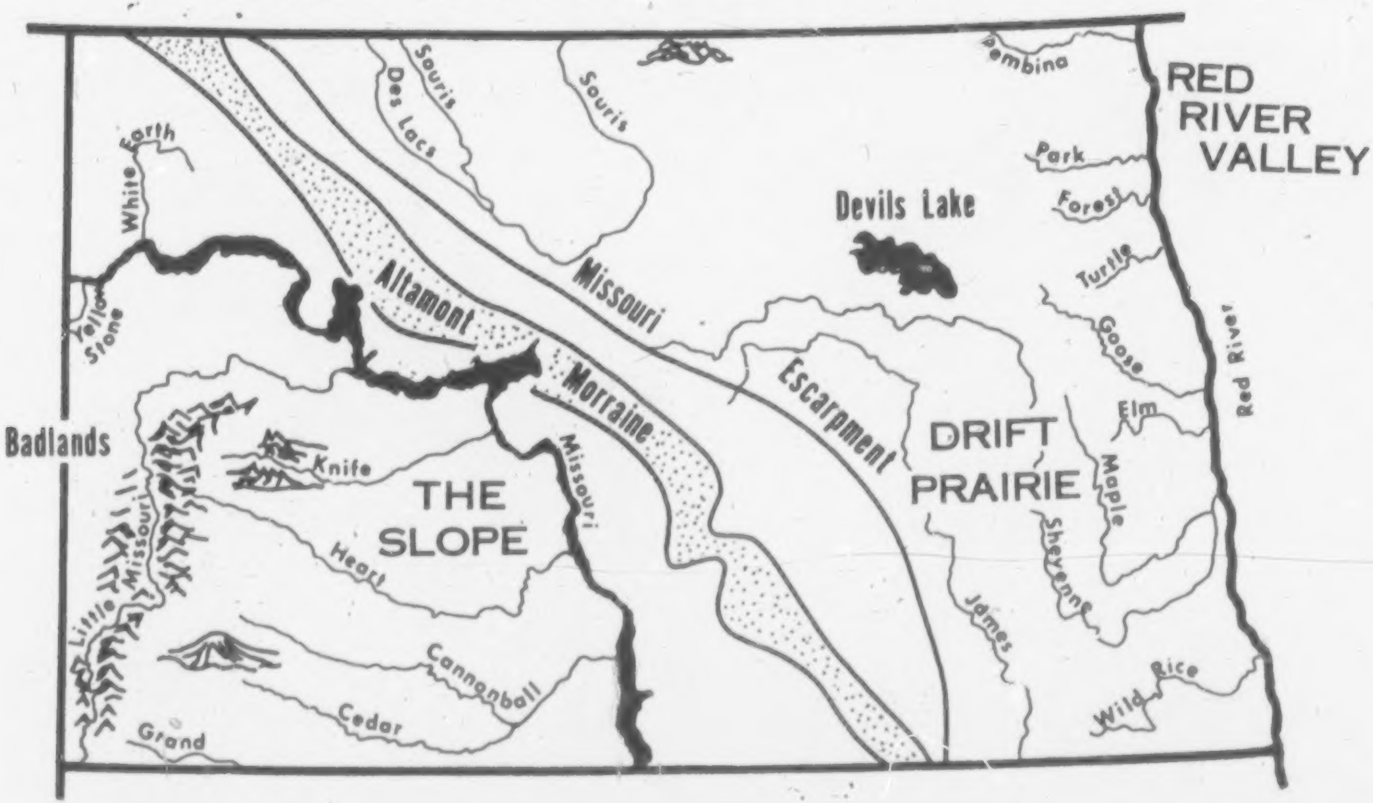
NORTH DAKOTA INLAND WATER AREA* BY COUNTY, 1960

County	Sq. Miles	County	Sq. Miles
Adams	0.0	Mountrail	104.9
Barnes	15.9	Nelson	17.8
Benson	26.3	Oliver	8.2
Billings	0.0	Pembina	0.0
Bottineau	29.8	Pierce	45.1
Bowman	0.1	Ramsey	60.7
Burke	10.3	Ransom	1.9
Burleigh	49.7	Renville	14.7
Cass	1.1	Richland	9.9
Cavalier	1.3	Rolette	25.5
Dickey	0.8	Sargent	10.1
Divide	7.3	Sheridan	16.4
Dunn	88.8	Sioux	30.2
Eddy	10.0	Slope	1.3
Emmons	55.9	Stark	2.9
Foster	6.6	Steele	1.8
Golden Valley	0.0	Stutsman	32.7
Grand Forks	0.0	Towner	6.1
Grant	6.2	Traill	0.0
Griggs	8.1	Walsh	4.1
Hettinger	0.6	Ward	14.0
Kidder	72.4	Wells	3.1
LaMoure	2.1	Williams	73.8
Logan	14.5		
McHenry	24.7		
McIntosh	5.3		
McKenzie	107.0		
McLean	262.0		

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Area Measurement Reports, May 1970.

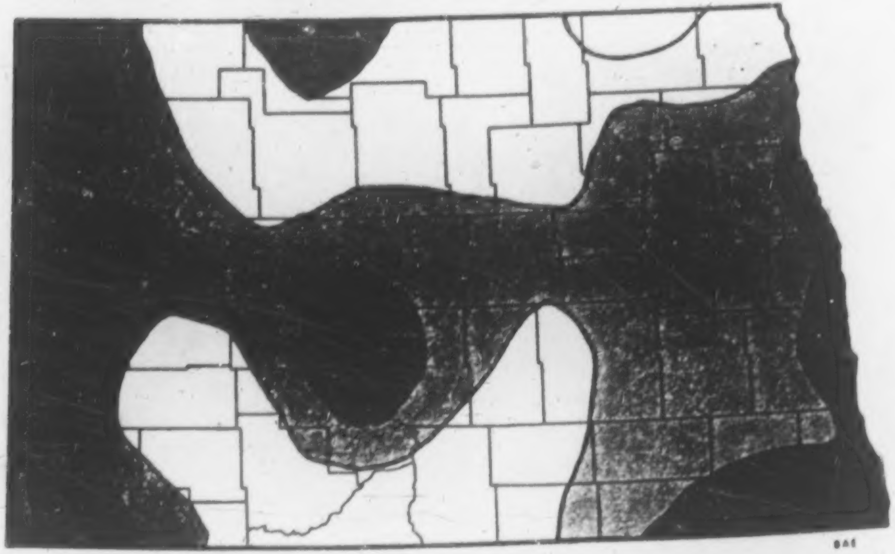
* Ponds, lakes or similar areas if their areas are forty acres or more; streams and canals must be one-eighth mile or more in width to be counted.

PHYSIOGRAPHIC DIAGRAM OF NORTH DAKOTA


RED RIVER VALLEY
Devils Lake
DRIFT PRAIRIE
THE SLOPE
Badlands
Altamont
Morraine
Escarpment
Missouri
Souris
Des Lacs
Pembina
Park
Forest
Turtle
Goose
Elm
Maple
Sheyenne
James
Wild Rice
Red River
White Earth
Yellow Stone
Little Missouri
Knife
Heart
Cannonball
Cedar
Grand

Source: Composite of maps from North Dakota Department of Public Instruction, Project North Dakota: Reference Resource.

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 32 DEGREES F.



☐ Under 110 days

☐ 110 - 119 days

▨ 120 - 129 days

■ 130 days & over

AVERAGE GROWING SEASON PRECIPITATION

(inches) April-September 1941-70

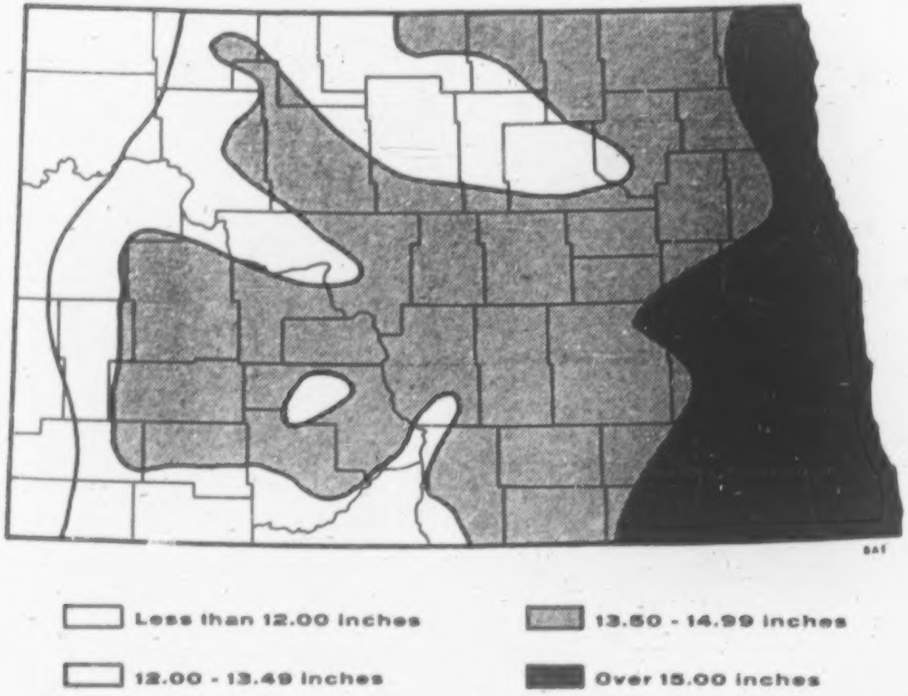

Less than 12.00 inches
12.00 - 13.49 inches
13.50 - 14.99 inches
Over 15.00 inches

TABLE 3.01

LAND AND WATER AREAS OF NORTH DAKOTA AND OTHER STATES, 1987

	Rank	Total Area		Land Area[1]		Water Area[2]	
		Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.
United States		3,618,770	9,372,614	3,539,289	9,166,759	79,481	205,856
New England		66,672	172,681	63,021	163,201	3,660	9,480
Maine	39	33,265	86,156	30,995	80,277	2,270	5,879
New Hampshire	44	9,279	24,032	8,993	23,292	286	739
Vermont	43	9,614	24,900	9,273	24,017	341	883
Massachusetts	45	8,284	21,456	7,824	20,265	460	1,191
Rhode Island	50	1,212	3,140	1,055	2,732	158	408
Connecticut	48	5,018	15,997	4,872	12,617	147	380
Middle Atlantic		102,203	264,707	99,733	258,308	2,470	6,398
New York	30	49,108	127,189	47,377	122,706	1,731	4,483
New Jersey	46	7,787	20,169	7,468	19,342	319	827
Pennsylvania	33	45,308	117,348	44,888	116,260	420	1,088
East North Central		248,540	643,719	243,961	631,859	4,579	11,860
Ohio	35	41,330	107,044	41,004	106,201	325	843
Indiana	38	36,185	93,720	35,932	93,064	253	656
Illinois	24	56,345	145,934	55,645	144,120	700	1,814
Michigan	23	58,527	151,586	56,954	147,511	1,573	4,075
Wisconsin	26	56,153	145,436	54,426	140,964	1,727	4,472
West North Central		517,825	1,341,166	508,132	1,316,063	9,693	25,104
Minnesota	12	84,402	218,601	79,548	206,030	4,854	12,571
Iowa	25	56,275	145,753	55,965	144,950	310	803
Missouri	19	69,697	180,516	68,945	178,568	752	1,948
NORTH DAKOTA	17	70,702	183,119	69,300	179,486	1,403	3,633
South Dakota	16	77,116	199,730	75,952	196,715	1,164	3,014
Nebraska	15	77,355	200,350	76,644	198,508	711	1,842
Kansas	14	82,277	213,098	81,778	211,805	499	1,293

TABLE 3.01--Continued

	Rank	Total Area		Land Area[1]		Water Area[2]	
		Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.
South Atlantic		278,926	722,420	266,910	691,296	12,017	31,123
Delaware	49	2,044	5,295	1,932	5,005	112	290
Maryland	42	10,460	27,092	9,837	25,477	623	1,614
District of Columbia		69	178	63	162	6	15
Virginia	36	40,767	105,586	39,704	102,832	1,063	2,753
West Virginia	41	24,231	62,759	24,119	62,468	112	291
North Carolina	28	52,669	136,413	48,843	126,504	3,826	9,909
South Carolina	40	31,113	80,582	30,203	78,227	909	2,355
Georgia	21	58,910	152,576	58,056	150,364	854	2,211
Florida	22	58,664	151,939	54,153	140,256	4,511	11,683
East South Central		181,947	471,243	178,824	463,154	3,123	8,089
Kentucky	37	40,409	104,660	39,669	102,743	740	1,917
Tennessee	34	42,144	109,152	41,155	106,591	989	2,561
Alabama	29	51,705	133,915	50,767	131,487	938	2,428
Mississippi	32	47,689	123,515	47,223	122,333	457	1,183
West South Central		437,701	1,133,646	427,271	1,106,633	10,430	27,013
Arkansas	27	53,187	137,754	52,078	134,883	1,109	2,872
Louisiana	31	47,752	123,677	44,521	115,310	3,230	8,366
Oklahoma	18	69,956	181,186	68,655	177,817	1,301	3,369
Texas	2	266,807	691,030	262,017	678,623	4,790	12,407
Mountain		863,563	2,236,628	855,193	2,214,951	8,369	21,667
Montana	4	147,046	380,848	145,388	376,555	1,657	4,293
Idaho	13	83,564	216,432	82,412	213,447	1,153	2,985
Wyoming	9	97,809	253,326	96,989	251,202	820	2,125
Colorado	8	104,091	269,595	103,595	268,311	496	1,285
New Mexico	5	121,593	314,925	121,335	314,258	258	667
Arizona	6	114,000	295,260	113,508	293,986	492	1,274
Utah	11	84,899	219,889	82,073	212,569	2,826	7,320
Nevada	7	110,561	286,352	109,894	284,624	667	1,728

TABLE 3.01--Continued

		Total Area		Land Area[1]		Water Area[2]	
	Rank	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.	Sq. Mi.	Sq. Km.
Pacific		921,392	2,386,406	896,253	2,321,295	25,140	65,112
Washington	20	68,139	176,479	66,511	172,264	1,627	4,215
Oregon	10	97,073	251,419	96,184	249,117	889	2,302
California	3	158,706	411,049	156,299	404,814	2,407	6,234
Alaska	1	591,004	1,530,700	570,833	1,478,457	20,171	52,243
Hawaii	47	6,471	16,759	6,425	16,641	46	118

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1987.

[1] Dry land and land temporarily or partially covered by water, as marshland, swamps, etc.; streams and canals under one-eighth statute mile wide; and lakes, reservoirs, and ponds under 40 acres of area.

[2] Permanent inland water surface, such as lakes, reservoirs, and ponds having 40 acres or more of area; streams, sloughs, estuaries, and canals one-eighth statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water, and islands having less than 40 acres of area. Excludes areas of oceans, bays, sounds, etc., lying within U.S. Jurisdiction but not defined as inland water.

TABLE 3.04

NORTH DAKOTA DRAINAGE AREAS BY BASIN AND SUB-BASINS IN SQUARE MILES

Stream (Basin)	Drainage Area in Square Miles	
Missouri Drainage Basin		33,902
Yellowstone River	748	
Little Missouri River	4,746	
Knife River	2,507	
Heart River	3,343	
Cannonball River	4,310	
Grand River	894	
Western Direct Tributaries	2,801	
Eastern Direct Tributaries	14,553	
James River Basin		6,831
Souris River Basin		9,112
Red Drainage Basin		17,240
Pembina River	1,960	
Park River	1,010	
Forest River	1,030	
Turtle River	730	
Goose River	1,280	
Elm River	510	
Wild Rice River	2,020	
Sheyenne River	7,140	
Minor Tributaries	1,560	
Devils Lake Basin		3,580
NORTH DAKOTA Total		70,665

SOURCE: North Dakota State Water Commission, Draft 1983 State Water Plan Update, 1983.

TABLE 3.05

AVERAGE ANNUAL RIVER FLOWS IN NORTH DAKOTA

River	Stream Gage Location	Flow (cfs)*	Period of Record
Red River	Grand Forks	2,502	1882-present
Sheyenne River	West Fargo	169	1929-present
Knife River	Hazen	177	1937-present
Heart River	Mandan	250	1937-present
Missouri River	Bismarck	22,360	1928-present
Cannonball River	Breien	238	1934-present
James River	LaMoure	87	1950-present
Goose River	Hillsboro	64	1931-present
Souris River	Westhope	259	1930-present
Little Missouri River	Watford City	592	1934-present

SOURCE: North Dakota Water Commission, unpublished data, 1986.

* Measured in cubic feet/second.

TABLE 3.07

ALTITUDES OF SELECTED NORTH DAKOTA COMMUNITIES

Communities	County	Altitude Feet 1973	Altitude Feet 1981
Amidon	Slope	2,910	2,907
Bathgate	Pembina	821	821
Beach	Golden Valley	2,825	2,774
Belfield	Stark	2,585	2,585
Bismarck (airport)	Burleigh	1,647	1,664
Bowbells	Burke	1,958	1,958
Bottineau	Bottineau	1,640	1,645
Bowman	Bowman	2,980	2,872
Butte St. Paul (Turtle Mountains)	Bottineau	2,300	2,300
Cando	Towner	1,468	1,468
Carrington	Foster	1,506	1,584
Casselton	Cass	930	930
Cooperstown	Mountrail	1,428	1,428
Crosby	Grand Forks	1,952	1,954
Devils Lake	Cavalier	1,464	1,475
Dickinson	Stark	2,416	2,416
Fargo (airport)	Cass	900	896
Ft. Berthold	Mountrail	1,773	1,773
Grand Forks	Grand Forks	830	830
Langdon	Cavalier	1,610	1,610
Leeds	Benson	1,530	1,519
Linton	Emmons	1,690	1,716
Lisbon	Ransom	1,089	1,091
Mandan	Morton	1,650	1,650
Marmarth	Slope	2,714	2,714
Medora	Billings	2,290	2,290
Milton	Cavalier	1,586	1,586
Minneawaukan	Benson	1,461	1,461
Minot	Ward	1,520	1,520
Napoleon	Logan	1,980	1,934
Park River	Walsh	970	998
Pembina	Pembina	790	793
Portal	Burke	1,952	1,952
Rugby	Pierce	1,550	1,567
Sentinel Butte	Golden Valley	2,707	2,707
Steele	Kidder	1,865	1,857
St. John	Rolette	1,950	1,950

SOURCE: North Dakota Blue Book, 1973 and 1981; published under Legislative Authority by North Dakota Secretary of State, and data provided by the University of North Dakota, Department of Geography.

TABLE 3.08

AVERAGE ANNUAL TEMPERATURE IN DEGREES FAHRENHEIT IN NORTH DAKOTA, SELECTED YEARS, 1892-1985

Year	Average Temperature	Year	Average Temperature
1892	37.8	1943	39.8
1900	40.9	1944	41.0
1901	40.4	1945	39.0
1902	39.4	1946	40.8
1903	38.3	1947	40.1
1904	37.6	1948	40.0
1905	39.3	1949	39.9
1906	39.4	1950	35.7
1907	36.9	1951	37.2
1908	40.7	1952	41.3
1909	38.2	1953	42.8
1910	41.1	1954	41.5
1911	38.0	1955	39.4
1912	38.2	1956	39.6
1913	40.0	1957	40.8
1914	41.1	1958	41.4
1915	39.7	1959	41.9
1916	36.2	1960	40.4
1917	36.3	1961	41.9
1918	40.0	1962	40.6
1919	38.6	1963	41.9
1920	39.5	1964	40.5
1921	42.0	1965	38.4
1922	39.7	1966	38.9
1923	40.0	1967	39.9
1924	38.2	1968	40.1
1925	40.6	1969	43.7
1926	40.7	1970	39.1
1927	38.0	1971	39.7
1928	41.1	1972	38.1
1929	38.0	1973	42.3
1930	41.4	1974	40.4
1931	44.9	1975	40.0
1932	40.0	1976	40.2
1933	41.1	1977	41.5
1934	43.4	1978	38.7
1935	39.4	1979	37.6
1936	38.8	1980	41.6
1937	39.1	1981	43.5
1938	41.9	1982	38.1
1939	41.9	1983	41.4
1940	41.0	1984	41.3
1941	42.2	1985	38.6
1942	40.9		

SOURCE: Data for 1892-1977 from W.A. Dando, *Weather and Climate of North Dakota*, Grand Forks: Unpublished Manuscript, 1979. Data for 1978-1985 from National Oceanic & Atmospheric Administration, Environmental Data and Information Service, Climatological Data, Annual Summary, North Dakota,1980.

TABLE 3.06

EXTREME AND MEAN ELEVATIONS IN NORTH DAKOTA AND OTHER STATES

State	Highest Point			Lowest Point			Approximate Mean Elevation	
	Name	Elevation		Name	Elevation			
		Feet	Meters		Feet	Meters	Feet	Meters
U.S.	Mt. McKinley-Alaska	20,320	6,198	Death Valley-California	- 282	- 86	2,500	763
AL	Cheaha Mountain	2,407	734	Gulf of Mexico	(1)	(1)	500	153
AK	Mount McKinley	20,320	6,198	Pacific Ocean	(1)	(1)	1,900	580
AZ	Humphreys Peak	12,633	3,853	Colorado River	70	21	4,100	1,251
AR	Magazine Mountain	2,753	840	Quachita River	55	17	650	198
CA	Mount Whitney	14,494	4,421	Death Valley	- 282	- 86	2,900	885
CO	Mount Elbert	14,433	4,402	Arkansas River	3,350	1,022	6,800	2,074
CT	Mt. Frissell, on South slope	2,380	726	Long Island Sound	(1)	(1)	500	753
DE	Ebright Road, New Castle Co.	442	135	Atlantic Ocean	(1)	(1)	60	18
DC	Tonleytown	410	125	Potomac River	(1)	(3)	150	46
FL	Sec. 30, T6N,R20W, Walton County[2]	345	105	Atlantic Ocean	(1)	(1)	100	31
GA	Brasstown Bald	4,784	1,459	Atlantic Ocean	(1)	(1)	600	183
HI	Mauna Kea	13,796	4,208	Pacific Ocean	(1)	(1)	3,030	924
ID	Borah Peak	12,662	3,862	Snake River	710	217	5,000	1,525
IL	Charles Mound	1,235	377	Mississippi River	279	85	622	183
IN	Franklin Twp.- Wayne Co.	1,257	383	Ohio River	320	98	700	214
IA	Sec. 29, T100N,R41W, Osceloa County[2]	1,670	509	Mississippi River	480	146	1,100	336
KS	Mount Sunflower	4,039	1,232	Verdigris River	680	207	2,000	610
KY	Black Mountain	4,145	1,264	Mississippi River	257	78	750	229
LA	Driskill Mountain	535	163	New Orleans	-5	-2	100	31
ME	Mount Katahdin	5,268	1,607	Atlantic Ocean	(1)	(1)	600	183
MD	Backbone Mountain, near Kempton, W. Va.	3,360	1,025	Atlantic Ocean	(1)	(1)	350	107
MA	Mount Greylock	3,491	1,065	Atlantic Ocean	(1)	(1)	500	153
MI	Mount Curwood	1,980	604	Lake Erie	572	174	900	275
MN	Eagle Mountain-Cook Co.	2,301	702	Lake Superior	602	184	1,200	366
MS	Woodall Mountain, near Iuka	806	246	Gulf of Mexico	(1)	(1)	300	92
MO	Taum Sauk Mountain	1,772	540	St. Francis River	230	70	800	244
MT	Granite Peak	12,799	3,904	Kootenai River	1,800	549	3,400	1,037

TABLE 3.06--Continued

	Highest Point			Lowest Point			Approximate Mean Elevation	
State	Name	Elevation Feet	Elevation Meters	Name	Elevation Feet	Elevation Meters	Feet	Meters
NE	Johnson Twp. - Kimball Co., T12N, R59W[2]	5,426	1,655	Southeast corner of State	840	256	2,600	793
NV	Boundary Peak	13,143	4,009	Colorado River	470	143	5,500	1,678
NH	Mount Washington	6,288	1,918	Atlantic Ocean	(1)	(1)	1,000	305
NJ	High Point	1,803	550	Atlantic Ocean	(1)	(1)	250	76
NM	Wheeler Peak	13,161	4,014	Red Bluff Reservior	2,817	859	5,700	1,739
NY	Mount Marcy	5,344	1,630	Atlantic Ocean	(1)	(1)	1,000	305
NC	Mount Mitchell	6,684	2,039	Atlantic Ocean	(1)	(1)	700	214
ND	White Butte-Slope Co.	3,506	1,069	Red River	750	229	1,900	580
OH	Campbell Hill	1,550	473	Ohio River	433	132	850	259
OK	Black Mesa	4,973	1,517	Little River	287	88	1,300	397
OR	Mount Hood	11,233	3,428	Pacific Ocean	(1)	(1)	3,300	1,007
PA	Mount Davis	3,213	980	Delaware River	(1)	(1)	1,100	336
RI	Jerimoth Hill	812	248	Atlantic Ocean	(1)	(1)	200	61
SC	Sassafras Mountain	3,560	1,086	Atlantic Ocean	(1)	(1)	350	107
SD	Harney Peak	7,242	2,209	Big Stone Lake	962	293	2,200	671
TN	Clingmans Dome	6,643	2,026	Mississippi	182	56	900	275
TX	Guadalupe Peak	8,749	2,668	Gulf of Mexico	(1)	(1)	1,700	519
UT	Kings Peak	13,528	4,126	Beaverdam Creek	2,000	610	6,100	1,861
VT	Mount Mansfield	4,393	1,340	Lake Champlain	95	29	1,000	305
VA	Mount Rogers	5,729	1,747	1Atlantic Ocean	(1)	(1)	950	290
WA	Mount Rainer	14,410	4,395	Pacific Ocean	(1)	(1)	1,700	519
WV	Spruce Knob	4,863	1,483	Potomac River	240	73	1,500	458
WI	Timms Hill	1,951	595	Lake Michigan	581	177	1,050	314
WY	Gannett Peak	13,804	4,210	Belle Fourche River	3,100	946	6,700	2,044

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1987.

[1] Sea Level. [2] "Sec." denotes section; "T" township; "R" range; "N" north; "W" west. [3] Less than .5 meters.

TABLE 3.09

LONG-TERM MEAN TEMPERATURES BY MONTHS, NORTH DAKOTA REPORTING STATIONS, 1951-1980 (Degrees F)

District and Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Crosby	5.0	12.8	23.6	40.8	53.9	62.9	68.7	66.9	56.1	44.7	26.5	13.5	39.6
Foxholm	6.0	13.4	24.1	41.2	54.4	63.5	69.2	67.5	56.8	46.0	28.1	14.5	40.4
Grenora	6.2	14.3	24.8	41.2	53.9	62.9	68.8	67.1	56.2	45.3	27.3	14.7	40.2
Kenmare	4.1	11.4	21.8	39.1	52.7	62.1	68.0	65.8	54.6	43.6	26.3	13.2	38.6
Minot Exp. Station	4.5	11.6	22.5	40.2	53.5	63.0	68.6	66.9	55.7	44.5	26.6	13.3	39.2
Mohall	2.7	10.3	21.8	40.1	53.1	62.6	68.8	66.1	55.0	43.7	26.1	12.0	38.5
Parshall	5.8	13.2	24.4	41.1	53.9	63.0	68.9	67.2	56.2	45.1	27.2	14.3	40.0
Powers Lake	2.4	10.1	20.7	38.3	51.4	60.8	66.6	65.0	53.8	42.5	24.6	11.7	37.3
Williston WSO	6.6	14.6	25.3	41.8	54.5	63.8	70.0	68.1	56.6	45.1	27.6	14.9	40.8
NORTHWEST DISTRICT (1)	5.1	12.3	23.0	40.3	53.3	62.5	68.4	66.5	55.4	44.4	26.5	13.5	39.3
Bottineau	-0.2	7.4	19.3	38.9	52.7	62.1	67.4	65.7	54.2	42.9	23.9	9.0	36.9
Drake	3.7	10.6	21.9	40.0	53.7	63.2	69.0	67.2	55.8	44.8	26.5	12.7	39.1
Granville	4.6	12.3	23.6	41.3	54.3	63.5	69.4	37.7	56.7	45.6	27.6	13.3	40.0
Leeds	2.1	9.4	21.4	40.2	53.6	63.4	68.4	66.4	55.4	44.2	25.9	10.9	38.4
Rolla	1.8	9.2	20.1	38.2	52.0	61.4	66.7	64.8	53.7	43.1	24.7	10.2	37.2
Rugby	3.9	11.2	23.0	41.7	55.4	65.0	70.2	68.4	57.1	46.0	27.2	12.6	40.1
Upham	1.5	9.1	21.0	40.4	53.9	63.2	68.4	66.4	55.2	43.8	25.5	10.4	38.2
Westhope	1.5	9.2	21.2	40.2	53.8	62.8	67.8	66.1	55.0	43.9	25.0	10.4	38.1
Willow City	.0	7.5	19.7	39.3	52.7	62.3	67.5	65.2	54.0	42.8	24.4	9.2	37.1
NORTH CENTRAL DISTRICT (2)	2.7	9.9	21.5	40.0	53.6	62.9	68.2	66.3	55.2	44.2	25.8	11.2	38.5
Devils Lake	2.3	9.7	21.7	40.0	53.9	63.6	69.1	67.1	56.0	44.8	26.4	11.2	38.8
Edmore	.2	7.6	20.0	39.0	52.6	62.0	67.0	65.3	54.5	43.1	24.5	9.2	37.1
Grafton	2.2	9.5	22.3	41.2	55.4	64.5	69.3	67.8	57.4	46.0	26.9	10.7	39.4
Grand Forks FAA AP	2.2	9.3	22.1	40.7	54.4	63.9	68.8	66.9	56.2	44.9	26.5	11.1	38.9
Hannah	-1.1	6.0	18.1	37.6	52.0	61.6	66.0	64.0	53.7	42.7	23.6	7.8	36.0
Langdon Exp. Farm	-0.5	7.0	19.2	38.3	52.4	61.7	66.4	64.8	54.3	43.1	24.0	8.3	36.6
Park River	3.8	11.0	23.2	41.4	55.5	65.0	70.2	68.4	58.1	46.8	27.8	12.2	40.3
Pembina	-0.9	6.2	19.4	39.6	53.8	63.4	68.3	66.1	55.9	44.6	25.5	8.9	37.6
Petersburg	1.3	8.1	20.3	38.8	52.9	62.4	67.4	65.5	54.5	43.4	25.0	9.7	37.4
NORTHEAST DISTRICT (3)	1.4	8.7	21.1	39.8	53.8	63.3	68.2	66.3	55.7	44.5	25.8	10.2	38.2
Butte	5.8	12.7	23.7	41.2	54.6	64.2	70.0	68.4	57.0	45.8	27.6	14.2	40.4
Center	7.4	14.7	25.2	41.4	54.2	63.4	69.2	67.7	56.4	45.6	28.4	15.8	40.8

TABLE 3.09--Continued

District and Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Dunn Center	7.4	14.6	23.9	40.2	53.2	62.6	69.0	67.7	56.3	45.2	28.1	15.9	40.3
Garrison	5.3	12.2	23.0	40.3	53.2	62.7	68.9	67.5	56.0	44.8	27.3	14.4	39.6
Max	4.2	11.1	22.0	39.7	52.9	62.5	68.4	66.4	55.0	43.7	26.0	12.8	38.7
Turtle Lake	6.3	13.6	24.8	41.9	55.0	64.4	70.[illegible]	68.8	57.5	46.2	28.0	14.8	41.0
Washburn	7.8	15.6	26.3	42.9	55.5	65.0	70.9	69.4	58.2	47.0	29.5	16.2	42.0
WEST CENTRAL DISTRICT (4)	6.9	14.2	24.7	41.3	54.2	63.5	69.6	68.1	56.8	45.6	28.2	15.5	40.7
Carrington	3.9	10.6	21.9	39.4	52.9	62.6	68.1	66.2	55.2	44.5	26.6	12.4	38.7
Fessenden	5.4	12.6	24.4	41.9	55.1	64.4	69.9	68.3	57.6	46.3	28.0	13.8	40.6
Jamestown FAA Airport	5.4	12.6	24.3	41.4	54.3	64.2	69.9	68.2	56.9	45.6	27.7	13.7	40.4
McClusky	5.5	12.7	24.1	41.3	54.8	64.3	70.3	68.7	57.3	45.6	27.4	13.8	40.5
Pettibone	4.3	11.5	23.4	41.2	54.0	63.6	69.6	68.1	57.0	45.3	27.8	13.0	39.9
Steele	6.5	13.9	25.2	42.4	55.4	64.4	70.1	68.6	57.9	46.7	28.6	14.8	41.2
CENTRAL DISTRICT (5)	5.3	12.1	23.8	41.2	54.4	63.9	69.5	67.9	56.8	45.6	27.5	13.4	40.1
Amenia	5.0	12.4	25.5	43.1	56.5	65.6	70.6	69.2	59.0	47.5	29.0	13.2	41.4
Cooperstown	4.0	11.3	24.0	41.7	55.2	64.5	69.9	68.3	57.5	46.2	27.5	12.5	40.2
Fargo WSO	4.3	11.0	24.0	42.1	55.6	65.2	70.6	68.8	57.8	46.3	28.2	12.7	40.5
Hillsboro	4.7	11.7	24.3	42.5	56.3	65.7	70.9	69.0	58.7	47.2	28.6	13.1	41.1
Mayville	4.3	11.3	24.1	42.2	55.8	65.2	70.2	68.6	58.0	46.8	28.2	13.0	40.6
Sharon	2.8	10.2	22.5	40.5	54.1	63.3	68.3	67.1	56.4	45.3	26.3	11.2	39.0
Valley City	4.9	12.2	24.2	41.4	55.0	64.1	69.4	67.5	56.6	45.6	27.8	13.1	40.2
EAST CENTRAL DISTRICT (6)	4.7	11.5	24.1	41.9	55.5	64.8	70.0	68.4	57.7	46.4	27.9	12.7	40.5
Amidon	12.1	18.8	27.0	41.0	53.0	62.4	69.4	68.4	57.0	46.1	30.0	19.6	42.1
Bowman	12.7	19.1	27.7	41.6	53.6	62.9	69.9	68.4	57.1	46.1	30.0	19.9	42.4
Dickinson Exp. Station	9.3	16.2	25.4	40.5	53.0	62.2	68.6	67.4	55.9	45.0	28.3	17.1	40.7
Hettinger	12.6	19.4	27.8	42.3	54.0	63.5	70.2	68.8	57.2	46.4	30.0	19.5	42.6
Medora	12.0	19.8	28.8	42.9	55.0	64.2	70.6	69.2	57.7	46.2	30.1	19.1	43.0
Mott	10.7	18.1	27.2	41.7	53.8	63.0	69.1	67.6	56.5	45.6	28.8	17.9	41.7
Richardton	10.7	17.9	27.2	42.3	54.8	63.9	70.2	69.0	57.9	46.8	29.8	18.5	42.4
SOUTHWEST DISTRICT (7)	11.2	18.3	27.0	41.6	53.7	63.0	69.6	68.2	56.9	45.8	29.3	18.6	41.9
Bismarck WSO	6.7	14.5	26.0	42.5	54.9	64.3	70.4	68.8	57.3	46.1	28.6	15.4	41.3
Carson	8.1	15.4	25.1	41.0	53.9	63.1	69.7	68.2	56.8	45.5	28.5	16.2	41.0
Fort Yates	10.3	17.4	27.6	43.7	56.4	66.0	72.5	70.8	59.8	48.5	31.4	18.6	43.6

TABLE 3.10

AVERAGE ANNUAL PRECIPITATION IN INCHES IN NORTH DAKOTA,
SELECTED YEARS, 1892-1985

Year	Precipitation (Inches)	Year	Precipitation (Inches)
1892	18.34	1945	14.85
1900	19.06	1946	16.65
1901	19.41	1947	18.18
1902	19.35	1948	17.45
1903	19.24	1949	17.54
1904	17.81	1950	18.23
1905	18.91	1951	16.92
1906	20.03	1952	12.25
1907	14.31	1953	20.04
1908	18.55	1954	18.60
1909	18.10	1955	17.02
1910	12.54	1956	17.54
1911	18.42	1957	19.03
1912	20.39	1958	13.84
1913	14.65	1959	15.98
1914	18.97	1960	15.08
1915	19.28	1961	13.41
1916	19.87	1962	20.99
1917	10.75	1963	17.22
1918	16.01	1964	19.48
1919	15.59	1965	21.33
1920	15.28	1966	16.85
1921	19.44	1967	14.29
1922	19.89	1968	19.17
1923	17.79	1969	16.79
1924	17.12	1970	18.80
1925	16.65	1971	19.67
1926	15.37	1972	17.38
1927	21.51	1973	16.52
1928	17.88	1974	15.86
1929	14.31	1975	18.55
1930	14.89	1976	12.04
1931	15.00	1977	21.67
1932	17.18	1978	17.56
1933	13.45	1979	14.63
1934	9.51	1980	16.90
1935	18.04	1981	15.06
1936	8.83	1982	21.31
1937	17.03	1983	15.92
1938	15.33	1984	15.99
1939	14.15	1985	17.66
1940	17.39		
1941	23.23		
1942	18.75		
1943	18.32		
1944	21.45		

SOURCE: Data for 1892-1977 from W.A. Dando, *Weather and Climate of North Dakota*, Grand Forks: Unpublished Manuscript, 1979. Data for 1978-1985 from National Oceanic & Atmospheric Administration, Environmental Data and Information Service, Climatological Data, Annual Summary, N.D. 1980-1985.

TABLE 3.12

MEAN NUMBER OF DAYS PER YEAR WITH PRECIPITATION OVER ONE-HALF INCH FOR REPRESENTATIVE NORTH DAKOTA STATIONS

Station	Days Per Year	Station	Days Per Year
Adams 7 S	11	Epping	6
Alexander	7	Fairfield	8
Almont 7 SW	10	Fargo WB Airport	12
Ambrose 3N	7	Fessenden	8
Amenia	10	Flasher	8
Amidon	6	Flaxton	8
Arvilla State Park	10	Forbes 13 NW	12
Ashley	11	Forman	12
Balta	6	Fort Yates	7
Bantry	8	Foxholm 7 N	6
Beach	5	Fullerton	14
Belcourt Indian Res.	9	Gackle	11
Belfield	10	Garrison	8
Berthold	8	Glen Ullin 13 N	8
Beulah	7	Golden Valley 10 S	7
Bisbee	8	Grafton	9
Bismarck WB Airport	9	Grand Forks FAA Airport	10
Bismarck 12 ENE	9	Grand Forks University	12
Bottineau	7	Granville	8
Bowbells	7	Grassy Butte 10 N	9
Bowman Court House	7	Grenora	6
Bowman 13 SE	7	Hague	10
Bowman 30 NNW	6	Halliday	8
Burt 16 N	9	Hankinson RR Station	12
Butte	7	Hannah	9
Carrington	11	Hansboro	7
Carson No. 2	9	Harvey	10
Cavalier	10	Hettinger	8
Center	10	Hillsboro	11
Colgate	8	Jamestown FAA Airport	11
Columbus	7	Jamestown State Hosp.	12
Cooperstown	11	Keene 2 S	7
Courtenay	10	Kenmare	7
Crosby	8	Kensal Wildlife Refuge	10
Devils Lake WB City	9	Killdeer 7 NW	9
Dickinson FAA Airport	7	Kulm	12
Dickinson Exp. Station	9	Langdon Exp. Farm	11
Donnybrook	8	Lansford	6
Drake	8	Larimore	11
Dunn Center 2 SW	7	Leeds	9
Eckman 2 SE	7	Lefor 10 E	9
Edgeley Exp. Farm	11	Linton	10
Edmore 1 N	8	Lisbon	12
Elgin 5 S	7	Lotchville	11
Ellendale	11	Lostwood 12 N	8
Enderlin	13	Maddock Agri. School	8

TABLE 3.12--Continued

Station	Days Per Year		Days Per Year
Mandan Exp. Station	8	Riverdale	10
Mandan Ft. Lincoln Park	9	Rolla	9
Marmath	6	Rugby	8
Martin	9	Ryder	6
Max	11	San Haven	9
Mayville	9	Scranton	9
McClusky	9	Selfridge 5 W	11
McHenry 5 N	9	Sentinel Butte 20 S	7
McLeod 3 E	12	Sharon	11
McVille	9	Sherwood 3 N	8
Medina	8	Shields	9
Medora 3 NNE	7	Stanley	7
Medora 22 NNW	6	Steele	10
Minot FAA Airport	9	Sykeston	8
Minot Exp. Station	8	Tagus	8
Moffit 4 SE	8	Tolley	9
Montpelier	13	Towner	8
Mott	7	Trotters 6 SE	7
Munich 4 SW	8	Turtle Lake	8
Napoleon	9	Tuttle	9
New England	8	Underwood 4 ESE	9
New Rockford 7 WNW	9	Upham 3 N	7
New Salem 1 SE	9	Valley City	11
Newtown	7	Velva	9
Noonan	8	Verona	11
Nortonville	13	Wahpeton	13
Oakes	10	Walhalla	12
Park River	10	Warwick	12
Parshall	6	Washburn	8
Pembina	10	Watauga S Dakota 8 N	10
Petersburg	9	Watford City	7
Pettibone	9	Watford City 14 S	9
Pingree	9	Westhope	7
Portal	7	Wildrose	8
Powers Lake 1 N	6	Williston WB City	6
Petty Rock	8	Willow City	7
Raub 10 SSW	8	Wilton	11
Reeder	8	Wishek	9
Reeder 14 N	7	Woodworth	11
Richardton Abbey	7	Zahl	7

SOURCE: U.S. Dept. of Commerce, Weather Bureau, *North Dakota, Climatic Summary of the United States, Supplement for 1951 through 1960*, 1965.

TABLE 3.13

TOTAL ANNUAL SNOWFALL IN INCHES FOR REPRESENTATIVE NORTH DAKOTA STATIONS

Station	Snowfall (Inches)	Station	Snowfall (Inches)
Almont	35.8	Park River	33.8
Amenia	28.5	Parshall	23.7
Ashley	31.8	Petersburg	26.7
Beach	30.2	Pettibone	33.4
Belcourt Indian Res.	31.5	Petty-Rock	41.9
Bismarck WB Airport	37.7	Richardton Abbey	38.1
Bottineau	27.9	Riverdale	29.3
Bowbells	30.5	Sharon	33.7
Cavalier	39.4	Stanley	37.4
Center	37.4	Velva	38.5
Crosby	29.6	Watford City	38.9
Devils Lake WB City	35.7	Williston WB City	33.1
Dickinson FAA Airport	30.9	Willow City	31.5
Dunn Center 2 SW	31.3		
Ellendale	33.2		
Fairfield	29.4		
Fargo WB Airport	32.0		
Grand Forks FAA Airport	39.7		
Granville	33.4		
Hannah	34.9		
Jamestown FAA Airport	35.6		
Kensal Wildlife Refuge	29.8		
Langdon Exp. Farm	39.5		
Leeds	40.5		
Lisbon	31.8		
Marmarth	39.5		
Max*	33.2		
Mayville	30.3		
McClusky	33.6		
McHenry 5 N	27.8		
Minot FAA Airport	39.2		
Mohall	30.1		
Mott	29.4		
Munich 4 SW	48.8		
Napoleon	32.1		

SOURCE: U.S. Dept. of Commerce, Weather Bureau, *North Dakota, Climatic Summary of the United States, Supplement for 1951 through 1960*, 1965.

TABLE 3.09--Continued

District and Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Linton	7.9	15.7	27.3	44.0	56.6	65.9	72.2	70.8	59.3	47.5	29.5	16.0	42.7
Mandan Exp. Station	6.7	13.7	25.0	41.6	54.5	64.0	70.1	68.7	57.2	46.1	28.7	15.4	41.0
New Salem	8.0	15.4	25.5	41.4	54.2	63.5	69.9	68.4	57.3	45.9	28.5	16.2	41.2
SOUTH CENTRAL DISTRICT (8)	8.6	15.6	26.2	42.4	55.0	64.4	70.7	69.2	57.9	46.6	29.3	16.5	41.9
Ashley	7.1	13.8	24.9	41.8	54.2	63.8	69.6	68.2	57.5	46.4	28.6	15.2	40.9
Ellendale	8.2	15.4	27.2	43.8	56.3	65.7	71.4	70.1	59.4	47.8	30.0	16.2	42.6
Forman	6.2	13.6	26.0	43.2	56.2	65.8	71.4	69.8	58.6	47.1	29.6	14.7	41.9
Fullerton	7.2	14.7	26.7	43.6	56.3	65.7	71.3	69.8	58.9	47.5	29.6	15.4	42.2
Hankinson	6.4	12.5	24.5	42.0	55.6	65.5	71.1	69.0	57.8	46.8	29.7	14.9	41.3
Lisbon	7.0	13.8	26.3	43.4	56.1	65.4	70.6	69.0	58.5	47.6	29.8	14.8	41.9
McLeod	6.0	13.1	25.9	43.5	56.7	66.0	71.3	69.6	59.1	47.8	29.4	14.4	41.9
Napoleon	6.1	13.0	24.2	41.6	54.6	64.2	70.2	68.7	57.3	46.0	28.1	14.4	40.7
Wahpeton	6.9	13.7	26.3	44.1	57.6	67.0	72.0	70.1	59.7	48.6	30.5	15.4	42.7
Wiskek	4.9	11.4	22.8	40.0	53.0	62.7	68.6	66.8	55.8	44.5	27.0	13.7	39.3
SOUTHEAST DISTRICT (9)	6.6	13.3	25.3	42.5	55.5	65.0	70.7	69.0	58.1	46.8	29.0	14.7	41.4
STATE	5.8	12.9	24.1	41.2	54.3	63.7	69.4	67.8	56.7	45.5	27.7	14.0	40.3

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1985.

TABLE 3.11

LONG-TERM PRECIPITATION BY MONTHS AND STATIONS, North Dakota, 1951-1980 (Inches)

District and Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Crosby	0.40	0.39	0.43	1.30	2.00	2.71	2.04	1.99	1.78	0.84	0.40	0.43	14.71
Foxholm	0.46	0.40	0.47	1.54	2.12	3.49	1.99	2.04	1.79	0.81	0.50	0.45	16.06
Grenora	0.43	0.41	0.46	1.28	2.06	2.93	2.12	1.79	1.50	0.75	0.43	0.43	14.59
Kenmare	0.53	0.48	0.60	1.46	2.11	3.10	1.85	1.82	1.83	0.81	0.41	0.44	15.44
Minot Exp. Station	0.58	0.53	0.61	1.90	2.25	3.13	2.18	2.02	1.98	0.87	0.59	0.54	17.18
Mohall	0.44	0.40	0.47	1.35	2.24	3.36	2.22	2.29	1.82	0.96	0.41	0.40	16.36
Parshall	0.34	0.35	0.42	1.39	2.24	3.66	2.16	1.98	2.01	0.73	0.39	0.36	16.03
Powers Lake	0.35	0.35	0.49	1.31	2.07	3.14	2.14	1.96	1.85	0.82	0.37	0.33	15.18
Williston WSO	0.55	0.50	0.57	1.29	1.85	2.68	1.83	1.42	1.37	0.74	0.50	0.55	13.85
NORTHWEST DISTRICT (1)	0.47	0.44	0.53	1.43	2.16	3.13	2.06	1.94	1.79	0.90	0.45	0.45	15.75
Bottineau	0.47	0.41	0.57	1.31	2.15	3.31	2.80	2.87	1.96	0.99	0.48	0.46	17.78
Drake	0.42	0.35	0.66	1.47	2.18	3.39	2.71	2.12	1.86	0.93	0.55	0.45	17.09
Granville	0.45	0.42	0.61	1.55	2.17	3.30	1.95	2.42	1.76	0.85	0.44	0.46	16.38
Leeds	0.73	0.46	0.87	1.43	2.18	3.28	2.47	2.17	1.73	0.88	0.61	0.60	17.41
Rolla	0.51	0.49	0.66	1.20	2.25	3.44	2.82	2.92	1.97	0.84	0.53	0.52	18.15
Rugby	0.59	0.43	0.64	1.29	1.93	3.14	2.56	2.61	1.79	0.86	0.50	0.50	16.84
Upham	0.46	0.41	0.49	1.36	2.11	3.08	2.15	2.41	1.77	0.88	0.48	0.48	16.08
Westhope	0.47	0.38	0.52	1.19	1.96	3.04	2.13	2.31	1.86	0.90	0.43	0.47	15.66
Willow City	0.48	0.38	0.53	1.20	1.84	2.88	2.28	2.50	1.77	0.82	0.40	0.43	15.49
NORTH CENTRAL DISTRICT (2)	0.49	0.41	0.61	1.33	2.11	3.19	2.49	2.51	1.82	0.89	0.48	0.48	16.81
Devils Lake	0.55	0.45	0.76	1.00	2.18	3.32	2.21	2.11	1.88	0.88	0.63	0.55	16.52
Edmore	0.45	0.30	0.48	1.18	2.20	2.95	2.80	2.54	1.88	1.04	0.41	0.33	16.56
Grafton	0.59	0.44	0.74	1.52	2.19	3.25	2.54	2.56	2.06	1.08	0.66	0.53	18.16
Grand Forks FAA AP	0.76	0.51	0.77	1.34	1.95	2.89	2.86	2.62	2.04	1.11	0.80	0.64	18.29
Hannah	0.44	0.43	0.54	1.13	2.27	3.05	2.68	2.91	2.01	1.01	0.56	0.45	17.48
Langdon Exp. Farm	0.59	0.42	0.72	1.33	2.44	2.97	2.99	3.01	1.97	1.12	0.65	0.51	18.72
Park River	0.52	0.36	0.66	1.70	2.32	3.40	2.66	2.45	2.02	1.09	0.58	0.49	18.25
Pembina	0.50	0.41	0.69	1.33	2.42	2.86	2.90	2.65	2.19	1.09	0.55	0.51	18.10
Petersburg	0.59	0.36	0.78	1.34	2.19	3.34	2.73	2.54	2.06	1.08	0.72	0.45	18.18
NORTHEAST DISTRICT (3)	0.55	0.41	0.71	1.33	2.24	3.13	2.77	2.65	2.05	1.06	0.62	0.51	18.03
Butte	0.42	0.39	0.54	1.41	1.96	3.17	2.32	1.96	1.78	0.78	0.43	0.39	15.55
Center	0.51	0.54	0.75	1.64	2.45	3.34	2.64	1.99	1.73	0.91	0.65	0.59	17.74

TABLE 3.11--Continued

District and Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Dunn Center	0.40	0.48	0.60	1.60	2.35	3.69	2.17	2.05	1.65	0.87	0.51	0.39	16.76
Garrison	0.41	0.48	0.57	1.40	1.89	3.17	2.01	1.78	1.60	0.68	0.42	0.46	14.87
Max	0.44	0.54	0.65	1.70	2.17	3.77	2.44	2.18	1.74	0.83	0.57	0.47	17.50
Turtle Lake	0.61	0.50	0.69	1.64	2.11	3.70	2.31	2.08	1.76	0.86	0.50	0.56	17.32
Wilton	0.47	0.39	0.59	1.55	2.59	3.93	2.66	2.08	1.65	0.93	0.42	0.41	17.67
WEST CENTRAL DISTRICT (4)	0.45	0.44	0.56	1.52	2.26	3.53	2.34	1.91	1.70	0.81	0.49	0.45	16.46
Carrington	0.61	0.50	0.75	1.59	2.49	3.77	2.54	2.12	1.69	0.98	0.63	0.51	18.18
Fessenden	0.61	0.54	0.74	1.48	2.49	3.49	2.50	2.24	1.76	1.00	0.56	0.57	17.98
Jamestown FAA Airport	0.60	0.58	0.79	1.52	2.32	3.59	3.02	2.12	1.61	0.94	0.52	0.51	18.12
McClusky	0.55	0.46	0.67	1.61	2.16	3.99	2.35	2.03	1.64	0.86	0.52	0.57	17.41
Pettibone	0.41	0.35	0.59	1.48	2.37	3.44	2.52	2.03	1.72	0.96	0.44	0.38	16.69
Tuttle	0.46	0.35	0.62	1.48	2.65	3.70	2.30	1.91	1.77	0.79	0.42	0.38	16.83
CENTRAL DISTRICT (5)	0.49	0.43	0.64	1.51	2.38	3.62	2.63	2.15	1.72	0.96	0.51	0.46	17.50
Colgate	0.40	0.27	0.60	1.50	2.26	3.24	2.64	2.64	2.00	1.12	0.51	0.40	17.58
Cooperstown	0.51	0.37	0.70	1.48	2.37	3.57	3.05	2.60	2.23	1.15	0.71	0.54	19.28
Fargo WSO	0.55	0.42	0.83	1.90	2.24	3.06	3.34	2.67	1.87	1.29	0.79	0.63	19.59
Hillsboro	0.43	0.39	0.75	1.71	2.21	3.73	3.22	2.68	2.16	1.36	0.65	0.53	19.82
Mayville	0.65	0.50	0.82	1.54	2.24	3.46	2.48	2.57	2.12	1.25	0.68	0.65	18.96
Sharon	0.55	0.42	0.83	1.64	2.54	3.43	2.93	2.55	2.40	1.17	0.71	0.52	19.69
Valley City	0.49	0.44	0.71	1.61	2.35	3.52	2.74	2.36	1.95	1.07	0.64	0.55	18.43
EAST CENTRAL DISTRICT (6)	0.51	0.40	0.76	1.69	2.37	3.48	2.94	2.58	2.10	1.23	0.68	0.55	19.29
Amidon	0.37	0.37	0.54	1.53	2.54	3.85	2.23	1.49	1.41	0.74	0.42	0.39	15.88
Bowman	0.33	0.42	0.52	1.47	2.43	3.68	2.11	1.63	1.41	0.76	0.42	0.35	15.53
Dickinson Exp. Station	0.34	0.40	0.57	1.73	2.53	3.69	2.08	1.86	1.51	0.85	0.45	0.34	16.35
Fairfield	0.34	0.35	0.48	1.44	2.45	3.60	1.99	1.84	1.64	0.77	0.46	0.31	15.67
Hettinger	0.31	0.33	0.49	1.68	2.76	3.64	2.04	1.77	1.43	0.85	0.42	0.27	15.99
Medora	0.43	0.42	0.57	1.41	2.40	3.53	1.96	1.45	1.42	0.75	0.50	0.38	15.22
Mott	0.39	0.40	0.57	1.65	2.55	3.80	1.99	1.80	1.42	0.70	0.46	0.36	16.09
Richardton	0.47	0.54	0.76	1.81	2.77	3.78	2.35	1.81	1.55	0.81	0.56	0.45	17.66
SOUTHWEST DISTRICT (7)	0.39	0.43	0.58	1.54	2.48	3.62	2.09	1.69	1.46	0.84	0.48	0.38	15.98
Bismarck WSO	0.51	0.45	0.70	1.51	2.23	3.01	2.05	1.69	1.38	0.81	0.51	0.51	15.36
Carson	0.33	0.40	0.60	1.85	2.68	3.62	2.39	1.89	1.38	0.84	0.43	0.36	16.77
Fort Yates	0.33	0.36	0.58	1.55	2.32	2.80	1.73	1.61	1.33	0.83	0.34	0.33	14.11

TABLE 3.11--Continued

District and Station	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Linton	0.51	0.45	0.79	1.85	2.57	3.56	2.33	1.67	1.53	0.91	0.55	0.53	17.25
New Salem	0.47	0.48	0.72	1.70	2.34	3.62	2.20	2.18	1.48	0.84	0.52	0.47	17.02
Shields	0.33	0.34	0.66	1.70	2.39	3.16	2.05	1.94	1.32	0.83	0.43	0.31	15.46
SOUTH CENTRAL DISTRICT (8)	0.41	0.40	0.61	1.64	2.46	3.47	2.18	1.89	1.46	0.83	0.46	0.40	16.21
Ashley	0.37	0.38	0.70	1.51	2.69	3.61	2.51	2.24	1.54	0.95	0.41	0.36	17.27
Ellendale	0.45	0.52	0.69	2.14	3.04	4.01	2.50	2.28	1.89	1.14	0.57	0.43	19.66
Forman	0.55	0.51	0.87	2.03	2.76	3.78	2.77	2.59	1.82	1.06	0.74	0.49	19.97
Fullerton	0.62	0.68	0.96	2.29	2.95	3.86	2.54	2.56	1.88	1.20	0.76	0.53	20.83
Hankinson R.R. Station	0.55	0.57	0.78	2.05	2.62	4.03	2.74	2.59	1.96	1.19	0.71	0.57	20.36
Lisbon	0.47	0.47	0.77	1.98	2.60	3.71	2.77	2.98	1.83	1.19	0.69	0.59	20.05
McLeod	0.46	0.42	0.73	1.54	2.40	3.44	3.00	3.01	1.82	1.17	0.77	0.49	19.25
Napoleon	0.45	0.39	0.76	1.55	2.57	3.19	2.83	2.06	1.73	0.93	0.53	0.43	17.42
Wahpeton	0.62	0.47	0.79	2.14	2.88	4.09	3.21	2.88	2.00	1.25	0.77	0.62	21.72
Wiskek	0.46	0.46	0.78	1.73	2.64	3.53	2.62	2.14	1.48	0.88	0.44	0.45	17.61
SOUTHEAST DISTRICT (9)	0.48	0.49	0.79	1.93	2.70	3.75	2.74	2.52	1.83	1.11	0.62	0.48	19.44
STATE	0.47	0.43	0.64	1.55	2.35	3.44	2.47	2.20	1.77	0.96	0.53	0.46	17.27

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1985.

TABLE 3.15

MONTHLY AND ANNUAL COOLING-DEGREE DAY NORMALS FOR SELECTED REPRESENTATIVE NORTH DAKOTA STATIONS*

Station	May	June	July	Aug.	Sept.	Oct.	Annual
Ashley	7	65	151	132	20	0	375
Bismarck WSB	11	86	198	165	27	0	487
Bottineau	6	46	120	109	13	0	294
Bowbells	0	39	108	97	16	0	260
Bowman Court House	10	66	179	157	36	0	448
Carrington	6	53	135	104	12	0	310
Cooperstown	7	77	159	157	21	0	421
Crosby	5	52	129	110	17	0	313
Devils Lake KDLR	5	59	143	128	15	0	350
Dickinson FAA Airport	7	62	162	140	22	6	399
Fargo WSB	11	88	190	163	21	0	473
Grand Forks FAA Airport	10	80	157	126	11	0	384
Jamestown FAA Airport	6	67	154	132	17	0	376
Langdon Exp. Farm	6	43	94	93	11	0	247
McClusky	10	66	168	143	24	0	411
New Town	8	59	152	137	28	0	384
Pembina 1 S	13	74	138	120	16	0	361
Valley City	13	81	175	152	21	0	442
Velva	8	65	155	127	17	0	372
Wahpeton	17	107	217	194	32	0	567
Williston WSB	7	66	180	144	25	0	422

SOURCE: Monthly Normals of Temperature, Precipitation, and Heating and Cooling-Degree Days, 1941-1970, National Climatic Center, 1973.

* A cooling-degree day is the amount which the average temperature of the day lies above 65 degrees F. An average daily temperature below 65 degrees F results in zero degree days. Degree days for any length of time are the sum of the degree days in that period.

Note: There have been no cooling-degree days in January, February, March, April, November and December.

THE ECONOMY

Income and Wealth
Labor Force, Employment, and Earnings
Transportation
Communications
Agriculture
Energy and Related Mineral Activities
Construction and Housing
Banking, Finance and Insurance
Manufacturing

4.00

INCOME AND WEALTH

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TABLE 3.14

MONTHLY AND ANNUAL HEATING-DEGREE DAY NORMALS FOR SELECTED REPRESENTATIVE NORTH DAKOTA STATIONS*

Station	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Apr.	May	June	Annual
Ashley	30	45	269	577	1,092	1,544	1,761	1,470	1,268	705	373	140	9,274
Bismarck WSB	18	35	252	564	1,083	1,531	1,761	1,442	1,237	660	339	122	9,044
Bottineau	46	75	328	663	1,236	1,724	1,962	1,630	1,420	777	421	157	10,439
Bowbells	43	85	346	663	1,188	1,640	1,872	1,551	1,392	780	435	177	10,172
Bowman Court House	27	39	270	567	1,041	1,389	1,578	1,294	1,184	690	372	159	8,610
Carrington	33	55	312	608	1,155	1,634	1,851	1,551	1,345	765	415	149	9,873
Cooperstown	19	52	261	583	1,119	1,631	1,848	1,526	1,283	702	354	125	9,503
Crosby	33	67	314	632	1,164	1,609	1,838	1,504	1,339	741	399	172	9,812
Devils Lake KDLR	22	56	291	614	1,167	1,668	1,885	1,565	1,645	747	396	134	9,890
Dickinson FAA Airport	29	41	274	586	1,074	1,442	1,640	1,350	1,231	714	394	167	8,942
Fargo WSB	13	33	234	558	1,092	1,612	1,832	1,520	1,265	681	334	97	9,271
Grand Forks FAA Airport	29	51	275	611	1,143	1,680	1,907	1,590	1,339	735	382	134	9,876
Jamestown FAA Airport	21	39	272	589	1,116	1,593	1,810	1,492	1,274	711	378	127	9,422
Langdon Exp. Farm	41	84	326	654	1,224	1,745	1,975	1,632	1,411	795	431	163	10,481
McClusky	19	34	267	583	1,122	1,581	1,804	1,487	1,299	711	367	132	9,406
New Town	38	66	298	605	1,119	1,556	1,789	1,467	1,290	714	389	158	9,482
Pembina 1 S	26	61	286	617	1,182	1,736	1,984	1,649	1,401	759	394	140	10,235
Valley City	17	38	246	558	1,083	1,569	1,783	1,459	1,228	669	323	102	9,075
Velva	22	50	272	577	1,110	1,562	1,776	1,456	1,262	681	346	122	9,236
Wahpeton	10	20	191	490	1,026	1,531	1,745	1,442	1,194	624	277	71	8,621
Williston WSB	22	35	274	598	1,107	1,538	1,758	1,422	1,249	678	345	135	9,161

SOURCE: *Monthly Normals of Temperature, Precipitation, and Heating and Cooling-Degree Days, 1941-1970*, National Climatic Center, 1973.

* A heating-degree day is the amount which the average temperature of the day falls below 65 degrees F. An average daily temperature above 65 degrees F results in zero degree days. Degree days for any length of time are the sum of the degree days in that period.

TABLE 3.16

AVERAGE LENGTH OF GROWING SEASON* AT TEMPERATURES OF 28° F AND 32° F OR ABOVE FOR SELECTED STATIONS IN NORTH DAKOTA

Station	County	Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28° (Date)	32° (Date)	32° (Date)	28° (Date)	32° (Days)	28° (Days)	(Year)
Northwest District								
Crosby	Divide	May 10	May 18	Sept 16	Sept 23	120	137	63
Minot Exp	Ward	May 12	May 20	Sept 17	Sept 26	119	137	69
Mohall	Renville	May 11	May 18	Sept 16	Sept 23	122	135	44
Parshall	Mountrail	May 15	May 21	Sept 12	Sept 18	114	126	59
Powers Lake	Burke	May 15	May 23	Sept 11	Sept 23	111	133	41
Williston	Williams	May 4	May 13	Sept 22	Sept 28	132	146	78
North Central District								
Bottineau	Bottineau	May 15	May 21	Sept 15	Sept 23	116	130	70
Granville	McHenry	May 13	May 19	Sept 15	Sept 25	119	134	65
Maddock	Benson	May 15	May 23	Sept 13	Sept 21	113	129	53
Towner	McHenry	May 14	May 21	Sept 12	Sept 21	114	129	54
Northeast District								
Grafton	Walsh	May 9	May 18	Sept 19	Sept 25	123	139	70
Grand Forks	Grand Forks	May 6	May 16	Sept 23	Sept 29	130	146	66
Hansboro	Towner	May 17	May 27	Sept 11	Sept 18	106	124	65
Langdon Exp	Cavalier	May 17	May 28	Sept 13	Sept 21	109	126	69
Pembina	Pembina	May 12	May 21	Sept 17	Sept 25	119	135	70
West Central District								
Dunn Center	Dunn	May 12	May 17	Sept 18	Sept 27	122	137	50
Garrison	McLean	May 8	May 18	Sept 19	Sept 25	124	139	62
Watford City	McKenzie	May 7	May 13	Sept 19	Sept 27	127	141	34

TABLE 3.16--Continued

Station	County	Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28° (Date)	32° (Date)	32° (Date)	28° (Date)	32° (Days)	28° (Days)	(Year)
Central District								
Fessenden	Wells	May 8	May 17	Sept 18	Sept 26	123	140	40
Jamestown	Stutsman	May 5	May 15	Sept 20	Sept 29	128	146	73
McClusky	Sheridan	May 11	May 20	Sept 18	Sept 26	120	137	54
Pettibone	Kidder	May 13	May 22	Sept 12	Sept 17	111	124	46
East Central District								
Amenia	Cass	May 6	May 15	Sept 23	Sept 28	130	144	73
Cooperstown	Griggs	May 11	May 21	Sept 19	Sept 26	121	138	49
Fargo	Cass	May 4	May 12	Sept 26	Oct 2	137	151	66
Mayville	Traill	May 8	May 17	Sept 24	Oct 2	129	147	57
Southwest District								
Beach	Golden Valley	May 12	May 20	Sept 18	Sept 27	121	138	58
Bowman	Bowman	May 6	May 14	Sept 21	Sept 30	130	146	52
Dickinson Exp	Stark	May 12	May 19	Sept 14	Sept 22	117	132	72
Hettinger	Adams	May 11	May 18	Sept 20	Sept 27	124	137	36
Marmarth	Slope	May 11	May 16	Sept 15	Sept 23	122	136	43
South Central District								
Carson #2	Grant	May 11	May 19	Sept 15	Sept 24	119	135	58
Mandan Exp	Morton	May 7	May 12	Sept 23	Sept 28	133	144	59
Southeast District								
Edgeley Exp	LaMoure	May 11	May 18	Sept 19	Sept 28	123	139	66
Lisbon	Ransom	May 10	May 19	Sept 20	Sept 27	123	139	64
Napoleon	Logan	May 14	May 21	Sept 16	Sept 23	118	132	72
Oakes	Dickey	May 5	May 13	Sept 23	Oct 1	133	149	46
Wahpeton	Richland	May 4	May 13	Sept 25	Oct 3	136	151	65

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1982 Annual Summary.

* Number of years in average varies by reporting station.

TABLE 4.01

NORTH DAKOTA NOMINAL GROSS STATE PRODUCT, SELECTED YEARS 1970-1986 (Millions $)

Sector	1970	1975	1980	1981	1982	1983	1984	1985	1986
Farming	492.1	1,657.8	1,053.2	1,685.0	1,739.1	1,338.6	1,829.0	1,751.4	1,395.6
Agricultural Services	11.5	26.2	32.9	35.3	40.1	45.9	44.3	36.3	38.9
Mining	42.7	97.8	623.3	1,074.8	869.1	653.4	689.7	632.3	399.9
Construction	144.6	293.5	523.7	501.1	565.2	660.8	524.4	447.1	436.0
Manufacturing	112.7	274.6	373.6	410.4	428.3	460.1	506.2	520.7	530.7
Non-Durable	70.6	121.2	188.2	221.0	253.1	280.6	300.6	311.4	325.8
Durable	42.1	153.4	185.4	189.4	175.2	179.5	205.6	209.3	204.9
Trans/Comm/P.U.	240.0	391.0	766.4	840.9	980.3	1,120.2	1,294.4	1,317.2	1,298.8
Transportation	102.2	157.6	340.4	369.4	360.5	363.4	397.4	385.7	378.4
Communications	59.4	99.9	170.5	184.0	196.3	212.7	214.5	225.3	227.8
Public Utilities	78.4	133.5	255.5	287.5	423.5	552.1	682.5	706.2	692.6
Wholesale/Retail Trade	475.0	950.0	1,419.6	1,547.7	1,604.5	1,613.0	1,736.8	1,754.3	1,749.1
Wholesale Trade	185.3	478.7	707.1	787.7	797.9	768.5	842.0	827.7	819.4
Retail Trade	289.7	471.3	712.5	760.0	806.6	844.5	894.8	926.6	929.7
Finance/Ins./Real Estate	240.4	423.3	769.7	828.2	839.2	923.6	963.0	971.1	1,020.5
Finance/Insurance	73.8	121.7	254.3	270.6	272.0	308.0	304.7	322.8	347.4
Real Estate	166.6	301.6	515.4	557.6	567.2	615.6	658.3	648.3	673.1
Services	241.0	422.6	856.5	988.6	1,062.2	1,155.6	1,245.6	1,314.8	1,375.4
Government	423.3	638.5	966.3	1,101.2	1,194.7	1,274.4	1,352.7	1,448.5	1,503.6
TOTAL GSP	2,423.3	5,175.3	7,385.2	9,013.5	9,322.7	9,253.6	10,186.1	10,193.7	9,748.5

SOURCE: Bulent Uyar, "North Dakota Gross State Product: 1969-1986," Bureau of Business and Economic Research: University of North Dakota (Forthcoming) January 1988.

TABLE 4.04

PERCENTAGE DISTRIBUTION BY INDUSTRY OF LABOR AND PROPRIETORS INCOME FOR THE UNITED STATES AND NORTH DAKOTA 1986

Industry	United States	North Dakota
Farm	1.72%	13.58%
Non-Farm		
Ag. Serv.,Forestry, Fish, & Other	0.52	0.53
Mining	1.41	2.59
Construction	6.43	6.20
Manufacturing	21.17	5.69
Transportation & Public Utilities	6.93	9.07
Wholesale Trade	6.40	7.79
Retail Trade	9.82	9.79
Finance, Insurance & Real Estate	7.11	4.79
Services	22.72	19.52
Government	15.77	20.47

SOURCE: Calculated from data in U.S. Dept. of Commerce, Regional Economics Information System.

TABLE 4.05

PERCENTAGE DISTRIBUTION BY INDUSTRY OF LABOR AND PROPRIETORS INCOME FOR NORTH DAKOTA, SELECTED YEARS, 1930-1986

Industry	1930	1940	1950	1970	1980
Farm	26.02%	21.37%	11.31%	18.44%	5.31%
Non-Farm	73.98	78.63	88.69	81.56	94.69
Ag. Serv., Forestry, Fish, & Other	----	----	----	0.60	0.60
Mining	0.81	0.85	0.92	1.01	4.72
Construction	2.44	1.71	8.26	7.63	10.35
Manufacturing	5.69	5.13	5.20	4.78	6.32
Transportation & Public Utilities	13.82	11.97	14.68	7.97	9.66
Wholesale Trade	*	*	*	6.84	10.08
Retail Trade	*	*	*	13.11	11.72
Finance, Insurance & Real Estate	4.07	3.42	2.75	3.86	4.68
Services	9.76	8.55	9.17	13.25	17.37
Government	14.63	27.35	20.49	22.52	19.19

Industry	1982	1983	1984	1985	1986
Farm	7.94%	5.75%	11.41%	12.29%	13.58%
Non-Farm	92.06	94.25	88.59	87.71	86.42
Ag. Serv., Forestry, Fish, & Other	0.58	0.68	0.58	0.48	0.53
Mining	5.47	4.00	4.01	3.79	2.59
Construction	9.33	10.75	7.72	6.44	6.20
Manufacturing	5.79	5.86	5.73	5.77	5.69
Transportation & Public Utilities	9.52	9.70	9.63	9.37	9.07
Wholesale Trade	9.32	8.74	8.35	8.04	7.79
Retail Trade	10.43	10.68	10.03	9.95	9.79
Finance, Insurance & Real Estate	4.30	4.56	4.45	4.58	4.79
Services	17.75	18.87	18.53	19.01	19.52
Government	19.57	20.41	19.54	20.28	20.47

SOURCE: Compiled from U.S. Dept. of Commerce, Bureau of Economic Analysis, Survey of Current Business, August, various years, and Regional Economics Information System and Office of Business Economics, Personal Income by State Since 1929.

* Wholesale and retail trade combined: 22.76 for 1930, 20.51 for 1940, and 22.72 for 1950.

TABLE 4.02

NORTH DAKOTA REAL GROSS STATE PRODUCT, SELECTED YEARS 1970-1986 (Millions 72$)

Sector	1970	1975	1980	1981	1982	1983	1984	1985	1986
Farming	938.7	1,200.3	585.7	1,385.7	1,739.1	1,209.6	1,608.4	1,755.2	1,692.8
Agricultural Services	26.4	35.7	33.7	35.5	40.1	40.1	39.8	34.3	36.7
Mining	307.4	297.3	788.0	1,045.5	869.1	692.9	768.0	698.7	495.6
Construction	472.5	573.2	614.6	533.6	565.2	651.0	486.9	398.2	370.7
Manufacturing	221.7	420.5	428.3	431.6	428.3	450.4	485.6	496.5	498.9
Non-Durable	133.9	178.5	216.6	232.9	253.1	268.7	272.8	273.1	277.2
Durable	87.8	242.0	211.7	198.7	175.2	181.7	212.8	223.4	221.7
Trans/Comm/P.U.	558.1	685.2	936.9	926.3	980.3	1,054.0	1,159.9	1,127.9	1,072.7
Transportation	260.1	294.1	416.7	398.9	360.5	343.1	368.3	343.1	339.4
Communications	100.6	137.9	200.8	199.6	196.3	203.9	195.0	194.3	188.3
Public Utilities	197.4	253.2	319.4	327.8	423.5	507.0	596.6	590.5	545.0
Wholesale/Retail Trade	1,034.5	1,503.1	1,613.0	1,620.0	1,604.5	1,572.6	1,638.9	1,623.1	1,611.3
Wholesale Trade	412.8	756.2	778.7	803.7	797.9	753.5	801.9	790.6	785.6
Retail Trade	621.7	746.9	834.3	816.3	806.6	819.1	837.0	832.5	825.7
Finance/Ins./Real Estate	523.6	731.8	872.3	866.6	839.2	834.3	849.5	809.2	797.6
Finance/Insurance	156.6	203.6	250.6	262.4	272.0	254.1	261.8	257.4	249.9
Real Estate	367.0	528.2	621.7	604.2	567.2	580.2	587.7	551.8	547.7
Services	593.6	745.3	1,013.6	1,081.6	1,062.2	1,091.2	1,103.3	1,105.8	1,110.1
Government	1,074.3	1,078.6	1,147.6	1,195.7	1,194.7	1,202.3	1,199.2	1,211.1	1,202.9
TOTAL GSP	5,750.8	7,271.0	8,033.7	9,122.1	9,322.7	8,798.4	9,339.5	9,260.0	8,889.3

SOURCE: Bulent Uyar, "North Dakota Gross State Product: 1969-1986," Bureau of Business and Economic Research: University of North Dakota (Forthcoming) January 1988.

TABLE 4.03

TOTAL LABOR AND PROPRIETORS INCOME IN NORTH DAKOTA BY INDUSTRIAL SOURCE, SELECTED YEARS, 1960-1986 (Thousands of Dollars)

Industry	1960	1970	1980	1985	1986
Farm	$237,148	$290,708	$220,178	$707,238	$799,264
Non-Farm	659,091	1,286,010	3,922,552	5,045,867	5,087,987
Ag. Services, Forestry & Fisheries	3,123	9,435	25,025	27,833	31,081
Mining					
Coal	2,230	3,926	35,115	64,285	57,139
Oil & Gas Extraction	8,420	10,193	154,613	144,222	91,311
Other	870	1,759	5,899	9,542	3,897
Construction	63,414	120,304	428,583	370,306	364,823
Manufacturing					
Non-Durable	23,943	43,847	120,237	180,532	186,713
Durable	10,134	31,485	141,397	151,474	148,465
Transportation & Public Utilities					
Railroad	33,127	35,868	86,957	81,083	77,312
Trucking & Warehousing	12,818	29,564	127,301	137,986	139,342
Other Transportation	3,856	6,220	22,212	(D)	(D)
Communication	13,832	27,410	85,678	95,484	93,775
Electric, Gas & Sanitary	12,590	26,665	78,132	193,243	191,716
Wholesale Trade	64,321	107,772	417,668	462,707	458,447
Retail Trade					
Building Materials & Farm Equip.	22,614	34,410	48,606	50,941	49,122
Retail General Merchandise	13,200	23,350	48,583	56,128	57,344
Food Stores	14,335	23,586	68,561	76,117	77,695
Auto Dealers & Service Stations	30,846	50,152	107,057	132,100	132,483

TABLE 4.03--Continued

Industry	1960	1970	1980	1985	1986
Apparel & Accessory	$6,557	$11,085	$24,559	$28,409	$27,284
Furniture & Home Furnishing	5,891	10,521	27,089	34,026	32,689
Eating & Drinking Places	17,477	29,784	92,035	114,420	118,302
Misc. Retail Stores	15,311	23,745	68,726	80,254	81,152
Finance, Insurance & Real Estate					
Banking	10,201	25,790	88,917	129,584	135,140
Other	26,861	35,119	104,798	134,187	146,937
Services	98,416	208,931	719,547	1,093,432	1,148,907
Government	150,704	355,089	795,057	1,166,533	1,205,277
Total	$896,239	$1,576,718	$4,142,730	$5,753,105	$5,887,251

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.06

TOTAL LABOR AND PROPRIETORS INCOME BY INDUSTRY BY NORTH DAKOTA COUNTY, 1984 (Thousands of Dollars)

		Non-Farm								
County	Farm	Ag. Serv., Forestry, Fisheries, & Other	Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insur. & Real Estate	Services	Government (Fed. & State & Local)
Adams	$4,440	(D)	(D)	$ 628	$1,502	$ 889	$4,988	$ 943	(D)	$2,529
Barnes	26,590	(D)	(D)	5,905	1,565	4,046	18,391	3,369	13,639	14,925
Benson	20,624	281	(D)	3,460	9,057	1,949	1,782*	1,656	5,199	7,220
Billings	4,084	(D)	7,937	(D)	(L)	1,121	417	(L)	866	1,973
Bottineau	25,649	175	5,869	2,334	1,521	4,543	11,104	2,169	7,020	9,273
Bowman	7,467	157	6,213	1,460	810	1,388	6,110	1,478	4,701	3,421
Burke	7,273	160	7,594	536	231	3,955	2,938	853	1,603	4,213
Burleigh	11,226	1,182	6,610	45,728	26,944	67,248	113,154	29,349	171,070	122,961
Cass	36,177	(D)	(D)	76,749	84,490	93,559	266,981	84,342	273,316	151,811
Cavalier	32,111	(D)	(D)	1,803	(D)	3,397	7,447	2,841	7,342	5,546
Dickey	12,099	(D)	(D)	2,255	1,980	2,917	9,099	1,567	7,282	5,514
Divide	12,264	(L)	2,366	(D)	254	(D)	3,344	1,099	4,387	2,907
Dunn	13,530	199	3,668	2,009	193	2,932	3,299	608	986	3,833
Eddy	9,901	(D)	(D)	1,875	194	1,343	3,806	2,002	3,760	2,570
Emmons	9,731	(D)	(D)	1,643	1,292	1,316	4,198	1,322	3,327	4,152
Foster	7,505	217	(D)	1,453	539	3,579	3,436*	1,656	5,023	3,554
Golden Valley	5,622	196	951	1,269	749	1,244	3,169	1,011	2,867	2,314
Grand Forks	33,893	924	901	38,548	25,131	47,676	101,358	20,699	122,169	229,906
Grant	6,038	155	85	543	211	652	2,849	811	2,789	2,651
Griggs	11,202	196	(L)	591	950	989	3,846	1,178	3,009	2,481
Hettinger	12,732	(D)	(D)	1,374	524	1,357	3,931	1,282	2,126	3,415
Kidder	9,649	(D)	(D)	693	368	1,783	2,510	675	1,317	2,882
LaMoure	12,553	(D)	(D)	755	549	1,682	7,336	1,867	2,453	5,262
Logan	11,211	100	(L)	610	159	233	2,606	571	2,040	2,378
McHenry	16,480	233	2,017	2,190	2,073	4,921	4,972	1,403	2,491	5,863
McIntosh	9,250	271	(L)	571	1,111	1,299	4,016	1,606	5,025	3,031
McKenzie	13,664	426	28,149	4,177	438	7,917	6,568	1,590	9,031	8,314
McLean	25,112	649	12,904	8,399	1,442	13,227	9,752	2,407	7,490	11,382

TABLE 4.06--Continued

County	Farm	Non-Farm								
		Ag. Serv., Forestry, Fisheries, & Other	Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insur. & Real Estate	Services	Government (Fed. & State & Local)
Mercer	$6,223	$221	$26,224	$85,921	$583	$60,920	$9,243	$2,531	$16,345	$8,360
Morton	16,971	1,087	1,469	10,215	23,143	23,408	26,656	6,056	27,418	20,624
Mountrail	13,319	174	1,068	2,261	1,435	2,840	8,223	1,954	6,137	8,383
Nelson	16,734	(D)	(D)	1,743	1,192	2,373	5,691	1,924	4,158	4,408
Oliver	5,689	(L)	(D)	2,597	293	(D)	553	(D)	230	1,951
Pembina	28,247	(D)	(D)	3,959	12,083	5,544	12,604	2,903	14,965	10,712
Pierce	11,019	208	420	999	1,473	3,465	7,270	1,628	8,654	4,165
Ramsey	21,941	256	(L)	5,928	3,201	6,321	24,692	4,539	24,973	18,881
Ransom	11,265	516	(L)	1,518	2,912	4,215	7,037	1,990	5,882	4,713
Renville	13,797	66	3,212	1,178	81	1,303	3,226	608	4,085	3,050
Richland	19,776	(D)	(D)	7,453	35,193	8,142	20,034	5,492	15,715	22,132
Rolette	9,974	(D)	(D)	2,068	5,869	1,961	7,875	2,397	14,088	22,778
Sargent	11,619	122	(L)	966	16,725	3,270	3,474	1,022	1,443	3,520
Sheridan	9,430	146	(L)	917	144	408	1,426	674	1,303	1,886
Sioux	4,306	(L)	(L)	508	(D)	402	1,545	(D)	(D)	6,823
Slope	5,823	(L)	(D)	(D)	(L)	373	52*	(L)	54	441
Stark	7,898	676	28,800	14,611	11,939	24,259	43,856	9,000	40,490	26,528
Steele	16,013	(D)	(D)	651	608	1,017	3,088	1,029	1,340	2,681
Stutsman	31,402	620	333	9,160	24,221	18,364	34,554	9,259	34,016	33,627
Towner	15,132	78	(L)	694	2,050	2,783	5,030	1,220	4,728	3,029
Traill	22,537	(D)	(D)	1,950	6,799	2,815	11,570	3,299	11,888	9,291
Walsh	21,704	(D)	(D)	5,052	2,144	8,081	20,674	4,740	14,651	26,783
Ward	20,914	846	7,709	34,774	18,155	43,516	102,904	20,863	93,040	180,043
Wells	23,356	(D)	(D)	2,472	442	2,623	8,296	2,034	8,567	5,430
Williams	8,949	895	93,033	15,486	7,381	27,368	51,404	10,160	55,207	23,064

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

L Less than $50,000.

D Not shown to avoid disclosure of confidential information.

* Retail only, wholesale deleted to maintain confidentiality.

TABLE 4.07

PERCENTAGE DISTRIBUTION BY INDUSTRY OF LABOR AND PROPRIETORS INCOME BY NORTH DAKOTA COUNTY, 1984

County	Farm	Non-Farm: Ag. Serv., Forestry, Fish. & Other	Mining	Construction	Manufacturing	Trans. & Pub. Util.	Wholesale Trade	Retail Trade	Finance, Insur.& Real Est.	Services	Government
Adams	18.40%	(D)%	(D)%	2.61%	6.24%	3.69%	16.09%	8.78%	3.92%	(D)%	10.50%
Barnes	29.90	(D)	(D)	6.64	1.76	4.55	9.78	10.89	3.79	15.33	16.78
Benson	38.57	0.53	(D)	6.47	16.94	3.64	(D)	3.33	3.10	9.72	13.50
Billings	23.97	(D)	46.58	(D)	(L)	6.58	0.56	1.88	(L)	5.08	11.58
Bottineau	36.82	0.25	8.43	3.35	2.18	6.52	8.19	7.75	3.11	10.08	13.31
Bowman	22.49	0.47	18.71	4.40	2.44	4.18	9.97	8.43	4.45	14.16	10.30
Burke	24.78	0.55	25.87	1.83	0.79	13.47	4.14	5.87	2.91	5.46	14.35
Burleigh	1.89	0.20	1.11	7.68	4.52	11.29	8.12	10.88	4.93	28.73	20.65
Cass	3.38	(D)	(D)	7.17	7.90	8.74	14.61	10.35	7.88	25.55	14.19
Cavalier	52.32	(D)	(D)	2.94	(D)	5.53	4.75	7.38	4.63	11.96	9.04
Dickey	28.01	(D)	(D)	5.22	4.58	6.75	11.17	9.89	3.63	16.86	12.76
Divide	43.62	(L)	8.42	(D)	0.90	(D)	5.33	6.56	3.91	15.60	10.34
Dunn	43.29	0.64	11.73	6.43	0.62	9.38	6.33	4.22	1.95	3.15	12.26
Eddy	38.16	(D)	(D)	7.23	0.75	5.18	7.48	7.19	7.72	14.49	9.91
Emmons	35.51	(D)	(D)	5.99	4.71	4.80	7.85	7.47	4.82	12.14	15.15
Foster	24.25	0.70	(D)	4.70	1.74	11.57	(D)	11.10	5.35	16.23	11.48
Golden Valley	28.99	1.01	4.90	6.54	3.86	6.42	7.80	8.54	5.21	14.78	11.93
Grand Forks	5.46	0.15	0.15	6.21	4.05	7.67	5.11	11.21	3.33	19.67	37.01
Grant	35.97	0.92	0.51	3.24	1.26	3.88	9.10	7.88	4.83	16.62	15.79
Griggs	45.83	0.80	(L)	2.42	3.89	4.05	9.01	6.72	4.82	12.31	10.15
Hettinger	46.90	(D)	(D)	5.06	1.93	5.00	7.79	6.68	4.72	7.83	12.57
Kidder	48.04	(D)	(D)	3.45	1.83	8.88	5.80	6.70	3.36	6.56	14.35
LaMoure	38.35	(D)	(D)	2.31	1.68	5.14	14.86	7.55	5.70	7.49	16.08
Logan	56.34	0.50	(L)	3.07	0.80	1.17	7.90	5.19	2.87	10.25	11.95
McHenry	38.65	0.55	4.73	5.14	4.86	11.53	6.34	5.32	3.29	5.84	13.75
McIntosh	35.35	1.04	(L)	2.18	4.25	4.96	8.25	7.10	6.14	19.20	11.58
McKenzie	17.02	0.53	35.07	5.21	0.55	9.86	4.16	4.02	1.98	11.25	10.36
McLean	27.07	0.70	13.91	9.05	1.55	14.26	4.64	5.87	2.59	8.07	12.26

TABLE 4.08

PERSONAL INCOME: THE UNITED STATES, NORTH DAKOTA, AND SELECTED STATES, SELECTED YEARS, 1929-1987

(Millions of Dollars)

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Wyo.
1929	$85,803	$246	$288	$315	$827	$1,548	$152
1940	78,122	218	231	316	574	1,475	152
1950	226,197	792	815	962	1,988	4,216	484
1955	308,266	848	857	1,178	2,191	5,483	570
1960	396,086	1,066	1,200	1,347	2,846	7,071	732
1965	532,022	1,508	1,498	1,704	3,761	9,494	867
1970	793,485	1,904	2,072	2,367	5,442	14,571	1,226
1974	1,147,257	3,737	3,239	3,666	8,005	21,170	2,046
1975	1,248,631	3,758	3,401	4,014	9,085	22,680	2,301
1976	1,373,334	3,712	3,457	4,266	9,394	24,625	2,643
1977	1,520,070	3,837	4,102	4,637	10,426	28,293	3,055
1978	1,709,616	4,845	4,541	5,425	11,809	31,680	3,679
1979	1,942,655	5,229	5,166	5,955	13,241	35,897	4,448
1980	2,252,021	5,584	5,672	6,993	14,520	40,952	5,471
1981	2,512,327	6,696	6,414	7,804	16,787	45,162	6,167
1982	2,660,940	7,084	6,649	8,110	17,430	47,558	6,305
1983	2,833,184	7,388	6,795	8,488	17,922	49,919	6,215
1984	3,101,402	7,984	7,606	8,921	19,916	55,728	6,410
1985	3,310,545	8,255	7,903	9,067	21,323	59,068	6,734
1986P	3,486,206	8,343	8,389	9,749	22,012	62,104	6,712
1987*	3,589,692	8,620	8,496	9,987	22,611	64,027	6,376

SOURCE: U.S. Dept. of Commerce, Survey of Current Business, various years.

P Preliminary

* First Quarter Data, Seasonally Adjusted at Annual Rate.

TABLE 4.09

PER CAPITA PERSONAL INCOME: THE UNITED STATES, NORTH DAKOTA, AND SELECTED STATES, SELECTED YEARS, 1929-1986

(Current Dollars)

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Wyo.
1929	$705	$365	$417	$502	$602	$602	$683
1940	592	340	360	566	436	529	606
1950	1,496	1,279	1,244	1,622	1,498	1,407	1,670
1955	1,876	1,378	1,293	1,852	1,594	1,729	1,857
1960	2,201	1,681	1,758	1,983	2,009	2,064	2,210
1965	2,750	2,323	2,164	2,414	2,556	2,643	2,612
1967	3,893	3,077	3,100	3,395	3,657	3,819	3,672
1974	5,420	5,879	4,753	4,976	5,196	5,422	5,653
1975	5,861	5,901	4,495	5,381	5,886	5,784	6,124
1976	6,397	5,758	5,043	5,648	6,052	6,227	6,766
1977	7,026	5,872	5,953	6,093	6,679	7,118	7,517
1978	7,840	7,432	6,585	6,915	7,544	7,904	8,687
1979	8,638	8,209	7,563	7,787	8,740	8,925	9,798
1980	9,910	8,531	8,246	8,865	9,231	10,025	11,528
1981	10,940	10,129	9,273	9,806	10,605	10,982	12,407
1982	11,470	10,542	9,573	10,074	10,962	11,506	12,352
1983	12,093	10,843	9,722	10,403	11,268	12,042	12,035
1984	13,115	11,625	10,785	10,833	12,407	13,384	12,497
1985	13,867	12,052	11,159	10,984	13,286	14,092	13,212
1986P	14,461	12,284	11,850	11,904	13,777	14,737	13,230

SOURCE: U.S. Dept. of Commerce, Survey of Current Business, various years.

P Preliminary

TABLE 4.12

PER CAPITA INCOME AND PERCENT OF NATIONAL AVERAGE BY STATE, 1969, 1980, and 1986P

State	1969	% National Average	1980	% National Average	1986	% National Average
United States	$3,714	100.0%	$9,511	100.0%	$14,461	100.0%
Alabama	2,699	72.7	7,434	78.2	11,115	76.9
Alaska	4,253	114.5	12,759	134.1	17,744	123.7
Arizona	3,366	90.6	8,814	92.7	13,220	91.4
Arkansas	2,556	68.8	7,185	75.5	10,773	74.5
California	4,282	115.3	10,929	114.9	16,778	116.0
Colorado	3,569	96.1	10,033	105.5	15,113	104.5
Connecticut	4,664	125.6	11,692	122.9	19,208	132.8
Delaware	4,289	115.5	10,291	108.2	15,010	103.8
Florida	3,474	93.5	8,993	94.6	14,281	98.8
Georgia	3,107	83.7	8,041	84.5	13,224	91.4
Hawaii	4,191	112.8	10,091	106.1	14,691	101.6
Idaho	3,078	82.9	8,176	86.0	11,432	79.1
Illinois	4,287	115.4	10,479	110.2	15,420	106.6
Indiana	3,647	98.2	8,924	93.8	12,944	89.5
Iowa	3,586	96.6	9,310	97.9	13,222	91.4
Kansas	3,523	94.9	9,864	103.7	14,379	99.4
Kentucky	2,878	77.5	7,662	80.6	11,129	77.0
Louisiana	2,854	76.8	8,456	88.9	11,227	77.6
Maine	304	81.9	7,868	82.7	12,709	87.9
Maryland	4,020	108.2	10,477	110.2	16,588	114.7
Massachusetts	4,073	109.7	10,118	106.4	17,516	121.1
Michigan	3,970	106.9	9,967	104.8	14,064	97.3
Minnesota	3,636	97.9	9,765	102.7	14,737	101.9
Mississippi	2,339	63.0	6,557	68.9	9,552	66.1
Missouri	3,462	93.2	8,865	93.2	13,657	94.4
Montana	3,144	84.7	8,652	91.0	11,904	82.3
Nebraska	3,560	95.9	9,086	95.5	13,777	95.3
Nevada	4,335	116.7	10,723	112.7	15,074	104.2
New Hamsphire	3,589	96.6	9,119	95.9	15,922	110.1
New Jersey	4,405	118.6	10,935	115.0	18,284	126.4
New Mexico	2,838	76.4	7,878	82.8	11,037	76.3
New York	4,408	118.7	10,252	107.8	17,118	118.4
North Carolina	2,999	80.7	7,832	82.3	12,245	84.7
NORTH DAKOTA	3,136	84.4	8,626	90.7	12,284	84.9

TABLE 4.12--Continued

State	1969	% National Average	1980	% National Average	1986	% National Average
Oklahoma	$3,085	83.1%	$9,066	95.3%	$12,368	85.5%
Oregon	3,520	94.8	9,296	97.7	13,217	91.4
Pennsylvania	3,684	99.2	9,427	99.1	13,944	96.4
Rhode Island	3,690	99.4	9,429	99.1	14,670	101.4
South Carolina	2,756	74.2	7,265	76.4	11,096	76.7
South Dakota	2,930	78.9	7,818	82.2	11,850	81.9
Tennessee	2,896	78.0	7,702	81.0	11,831	81.8
Texas	3,292	88.6	9,528	100.2	13,523	93.5
Utah	2,960	79.7	7,681	80.8	10,743	74.3
Vermont	3,302	88.9	7,810	82.1	12,845	88.8
Virginia	3,441	92.6	9,406	98.9	15,374	106.3
Washington	3,969	106.9	10,355	108.9	14,498	100.3
West Virginia	2,735	73.6	7,814	82.2	10,530	72.8
Wisconsin	3,564	96.0	9,413	99.0	13,496	95.4
Wyoming	3,462	93.2	10,875	114.3	13,230	91.5
District of Columbia	4,434	119.4	12,050	126.7	18,980	131.2

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Survey of Current Business, April 1982, 1987.

P Preliminary

TABLE 4.07--Continued

County	Farm	Non-Farm									
		Ag. Serv., Forestry, Fish. & Other	Mining	Con- struction	Manu- facturing	Trans. & Pub. Util.	Whole- sale Trade	Retail Trade	Finance, Insur. & Real Est.	Services	Govern- ment
Mercer	2.87%	0.10%	12.11%	39.67%	0.27%	28.13%	1.24%	3.03%	1.17%	7.55%	3.86%
Morton	10.81	0.69	0.94	6.50	14.74	14.91	6.25	10.72	3.86	17.46	13.13
Mountrail	29.08	0.38	2.33	4.94	3.13	6.20	7.80	16.16	4.27	13.40	18.31
Nelson	43.17	(D)	(D)	4.50	3.08	6.12	8.38	6.30	4.96	10.73	11.37
Oliver	23.87	(L)	(D)	10.90	1.23	(D)	0.66	1.66	(D)	0.96	8.19
Pembina	30.56	(D)	(D)	4.28	13.07	6.00	5.30	8.34	3.14	16.19	11.59
Pierce	28.04	0.53	1.07	2.54	3.75	8.82	6.99	11.51	4.14	22.02	10.60
Ramsey	19.81	0.23	(L)	5.35	2.89	5.71	8.81	13.48	4.10	22.55	17.05
Ransom	283.14	1.29	(L)	3.79	7.27	10.53	8.46	9.12	4.97	14.69	11.77
Renville	45.08	0.22	10.49	3.85	0.26	4.26	6.05	4.49	1.99	13.35	9.97
Richland	14.67	(D)	(D)	5.53	26.11	6.04	7.09	7.77	4.07	11.66	16.42
Rolette	14.82	(D)	(D)	3.07	8.72	2.91	4.01	7.70	3.56	20.94	33.86
Sargent	27.56	0.29	(L)	2.29	39.67	7.76	4.23	4.01	2.42	3.42	8.35
Sheridan	57.73	0.89	(L)	5.61	0.88	2.50	4.59	4.14	4.13	7.98	11.55
Sioux	21.93	(L)	(L)	2.59	(D)	2.05	3.37	4.50	(D)	(D)	34.74
Slope	72.24	(L)	(D)	(D)	(L)	4.63	(L)	0.65	(L)	0.67	5.47
Stark	3.80	0.32	13.84	7.02	5.74	11.66	7.87	13.21	4.33	19.46	12.75
Steele	60.79	(D)	(D)	2.45	2.29	3.83	7.89	3.74	3.87	5.05	10.09
Stutsman	16.06	0.32	0.17	4.68	12.39	9.39	6.26	11.41	4.73	17.39	17.20
Towner	43.57	0.22	(L)	2.00	5.90	8.01	7.08	7.40	3.51	13.61	8.72
Traill	31.67	(D)	(D)	2.74	9.55	3.96	8.65	7.61	4.64	16.71	13.06
Walsh	20.40	(D)	(D)	4.75	2.01	7.59	9.87	9.56	4.45	13.77	25.17
Ward	4.00	0.16	1.47	6.65	3.47	8.32	8.06	11.63	4.00	17.80	34.44
Wells	43.15	(D)	(D)	4.57	0.82	4.85	7.17	8.16	3.76	15.83	10.03
Williams	3.05	0.31	31.76	5.29	2.52	9.34	8.59	8.96	3.47	18.85	7.87

SOURCE: Calculated from U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.
(D) Deleted to avoid disclosure of confidential information.
(L) Raw data less than $50,000.

TABLE 4.10

TOTAL PERSONAL INCOME BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1959-1984 (Millions of Dollars)

County	1959	1965	1970	1975	1980	1982	1983	1984
NORTH DAKOTA	$956.2	$1,507.6	$1,990.0	$3,931.3	$5,657.8	$7,380.9	$7,821.0	$8,436.6
Adams	6.3	9.8	14.6	21.1	32.2	35.9	37.4	42.3
Barnes	24.8	35.9	44.6	92.9	117.6	149.4	158.1	169.2
Benson	9.1	18.1	22.3	57.9	53.0	72.5	73.7	86.4
Billings	2.2	2.4	3.8	4.9	10.5	13.2	13.0	14.4
Bottineau	14.7	28.2	31.3	63.2	76.3	110.0	109.8	125.3
Bowman	6.2	10.2	13.2	22.5	36.4	49.2	52.1	57.8
Burke	7.2	13.3	14.5	26.8	31.2	48.5	46.4	53.1
Burleigh	66.1	98.9	145.9	293.7	555.4	698.8	769.1	802.7
Cass	157.2	209.2	294.5	526.2	886.2	1110.3	1219.6	1319.5
Cavalier	13.0	21.4	26.3	80.6	54.3	84.9	92.4	106.0
Dickey	7.9	13.7	19.8	43.3	51.3	66.1	70.5	75.6
Divide	7.2	12.7	16.0	28.9	26.6	45.9	47.4	54.2
Dunn	5.3	7.6	12.7	20.9	45.4	55.7	54.3	59.9
Eddy	6.5	9.9	11.6	21.5	26.8	36.5	40.7	44.7
Emmons	9.0	12.6	15.4	34.1	41.3	47.8	47.2	54.2
Foster	7.1	12.3	14.3	30.3	40.2	47.0	51.0	55.5
Golden Valley	4.2	7.3	10.3	15.2	25.6	31.1	31.2	34.1
Grand Forks	88.3	151.8	207.3	363.5	532.5	662.3	707.8	763.3
Grant	5.5	8.6	12.1	20.7	28.3	32.8	34.1	37.7
Griggs	6.8	10.6	12.3	27.4	27.6	37.2	41.2	46.3
Hettinger	7.2	11.7	16.4	22.9	35.2	43.7	43.2	50.8
Kidder	5.9	8.4	11.7	27.2	28.3	32.7	34.1	38.8
LaMoure	10.6	17.4	20.0	43.1	42.5	56.0	58.8	66.3
Logan	4.7	6.9	9.1	19.7	23.9	31.3	31.3	36.5
McHenry	12.5	21.2	26.4	55.5	57.7	80.3	81.0	91.1
McIntosh	6.3	10.1	13.4	29.6	34.7	43.6	43.2	49.0
McKenzie	8.6	13.9	20.4	37.5	65.5	95.6	86.4	96.5
McLean	14.6	28.3	34.3	79.7	99.4	136.6	151.2	168.4
Mercer	7.7	13.0	18.5	40.3	87.9	128.3	177.8	151.5
Morton	27.9	41.8	58.9	113.4	205.6	254.9	270.6	282.6

TABLE 4.10--Continued

County	1959	1965	1970	1975	1980	1982	1983	1984
Mountrail	$10.6	$20.0	$23.0	$43.2	$55.5	$76.7	$77.9	$87.3
Nelson	10.9	16.5	19.4	46.2	41.7	55.7	59.3	69.9
Oliver	2.3	4.3	7.0	12.2	19.8	25.0	29.5	31.6
Pembina	20.4	28.2	33.5	81.5	89.9	120.7	131.8	141.2
Pierce	8.2	15.6	18.1	41.0	44.0	59.0	60.7	69.4
Ramsey	21.5	34.4	43.6	97.5	116.3	146.7	156.8	174.5
Ransom	10.7	15.2	22.2	41.0	49.4	66.4	70.3	75.6
Renville	5.7	12.3	12.1	27.7	30.2	43.6	44.2	53.1
Richland	23.4	38.5	51.4	101.3	141.0	189.6	215.9	214.7
Rolette	11.6	19.6	27.3	52.3	69.6	88.9	95.2	103.5
Sargent	7.0	11.9	17.4	36.4	42.8	58.0	60.0	65.3
Sheridan	2.9	7.3	9.5	22.2	19.2	25.8	28.2	32.6
Sioux	3.0	5.2	9.0	15.8	22.4	23.6	23.7	25.1
Slope	2.2	3.6	5.3	8.1	11.4	10.4	11.4	13.7
Stark	25.9	37.9	54.5	99.7	212.6	312.3	299.8	312.4
Steele	7.1	11.2	11.5	30.7	27.9	37.5	41.9	44.6
Stutsman	35.5	55.2	74.6	150.0	212.1	257.2	273.8	295.4
Towner	10.0	15.4	16.9	42.1	31.4	47.4	51.5	60.9
Traill	18.0	25.0	27.9	72.1	85.8	114.7	126.0	130.4
Walsh	26.7	45.9	47.7	108.7	121.8	155.1	171.0	183.7
Ward	82.0	142.4	196.6	359.1	523.6	662.7	680.7	738.5
Wells	9.3	20.3	23.7	54.5	59.4	78.3	84.1	95.6
Williams	40.5	54.3	65.8	123.9	250.4	387.4	353.0	383.9

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, *Regional Economics Information System*.

TABLE 4.11

TOTAL PERSONAL INCOME IN NORTH DAKOTA BY PLANNING REGION AND SMSA,* SELECTED YEARS, 1959-1984 (Millions of Dollars)

Region	1959	1965	1970	1975	1979	1980	1981	1982	1983	1984
Region 1	$56.3	$80.9	$102.2	$190.3	$278.2	$342.4	$508.4	$529.0	$486.9	$534.6
Region 2	140.9	253.0	322.0	616.5	763.3	818.6	1,051.5	1,080.8	1,100.6	1,217.7
Region 3	71.7	118.8	148.0	351.9	345.1	351.4	472.0	476.9	510.4	576.0
Region 4	146.3	242.4	307.9	599.9	704.2	786.0	954.8	993.9	1,069.8	1,158.1
Region 5	223.4	311.0	424.9	807.7	1,215.0	1,233.0	1,526.9	1,576.4	1,733.7	1,850.1
Region 6	113.0	182.4	231.8	490.8	572.6	609.3	777.1	766.2	812.0	889.5
Region 7	144.9	228.4	322.3	659.3	1,003.6	1,107.6	1,308.7	1,406.2	1,565.3	1,625.1
Region 8	59.5	90.5	130.8	215.3	3,464.9	4,094.7	5,243.6	5,515.8	5,854.9	5,854.0
NORTH DAKOTA	1,008.1	1,608.3	989.9	3,931.3	5,228.5	5,657.8	7,123.6	7,380.9	7,821.0	8,436.6
SMSAs										
Bismarck	98.7	149.6	204.9	407.1	678.3	760.9	867.0	953.7	1,039.6	1,085.3
Fargo / Moorhead (MN)	229.5	319.5	448.0	750.5	1,223.3	1,273.3	1,468.3	1,550.9	1,671.7	1,825.7
Grand Forks	92.2	159.1	207.3	363.5	470.6	532.5	620.0	662.3	707.8	763.3

SOURCE: Calculated from county data in U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

* SMSA--Standard Metropolitan Statistical Area.

TABLE 4.14

PER CAPITA INCOME BY NORTH DAKOTA COUNTY AND SMSAs* AS A PERCENT OF NATIONAL AVERAGE, SELECTED YEARS, 1970-1984

County	1970	1975	1979	1980	1981	1982	1983	1984
NORTH DAKOTA	82%	105%	93%	91%	102%	99%	98%	96%
Adams	97	97	89	95	96	93	90	94
Barnes	77	114	89	89	100	97	97	96
Benson	69	118	77	71	90	83	77	83
Billings	82	71	100	97	119	95	89	87
Bottineau	84	113	92	86	114	106	102	107
Bowman	86	94	96	91	109	103	102	104
Burke	78	111	97	86	120	116	105	112
Burleigh	91	106	106	106	108	111	114	106
Cass	101	110	115	105	110	110	113	109
Cavalier	79	122	82	76	109	105	109	115
Dickey	72	105	82	75	94	85	86	85
Divide	89	123	93	81	131	120	118	129
Dunn	66	79	103	103	114	99	90	89
Eddy	72	95	94	80	100	95	102	105
Emmons	54	88	69	75	85	75	70	74
Foster	75	110	90	92	101	93	95	94
Golden Valley	100	101	100	114	118	105	100	101
Grand Forks	85	98	82	85	88	89	89	87
Grant	61	75	73	70	84	69	69	70
Griggs	75	116	82	79	101	92	97	99
Hettinger	82	84	81	87	97	94	88	96
Kidder	69	112	85	78	97	78	76	79
LaMoure	72	110	79	69	88	81	81	84
Logan	55	88	75	73	99	84	81	87
McHenry	75	109	84	78	101	95	91	94
McIntosh	61	98	75	76	93	86	81	85
McKenzie	85	103	91	95	113	96	83	88
McLean	77	123	95	85	101	99	101	102
Mercer	76	106	99	96	100	110	124	90
Morton	73	89	88	85	88	88	88	83
Mountrail	68	90	80	76	98	87	83	84
Nelson	85	[illegible]	88	85	107	101	100	109
Oliver	77	88	88	83	98	88	94	92
Pembina	79	119	91	91	110	106	110	108
Pierce	72	107	80	76	93	87	85	90

TABLE 4.14--Continued

County	1970	1975	1979	1980	1981	1982	1983	1984
Ramsey	86%	125%	96%	94%	102%	102%	103%	104%
Ransom	79	101	91	78	100	92	92	90
Renville	80	124	94	88	116	110	104	116
Richland	72	94	83	77	101	87	93	84
Rolette	60	72	62	60	67	64	63	62
Sargent	74	103	86	82	109	97	96	97
Sheridan	74	113	77	73	99	77	90	96
Sioux	63	67	65	66	65	59	55	52
Slope	91	108	92	105	112	78	83	92
Stark	70	84	90	93	99	99	91	87
Steele	79	153	102	95	127	115	121	118
Stutsman	80	109	92	92	100	97	99	97
Towner	92	167	87	82	115	105	96	103
Traill	74	133	93	94	112	109	114	109
Walsh	74	115	79	84	98	90	94	92
Ward	85	101	92	95	101	100	95	94
Wells	77	127	95	90	106	103	106	109
Williams	87	111	107	117	138	125	110	110
SMSAs								
Bismarck	85	101	100	99	101	104	106	99
Fargo/Moorhead, ND-MN	94	100	103	97	100	100	101	100
Grand Forks	84	98	82	85	88	89	87	87

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

* SMSA--Standard Metropolitan Statistical Area.

TABLE 4.17

TOTAL LABOR AND PROPRIETORS INCOME BY TYPE BY NORTH DAKOTA COUNTY, 1984 (Thousands of Dollars)

County	Wages & Salaries	Other Labor Income	Proprietors Income Farm	Proprietors Income Non-Farm
NORTH DAKOTA	$4,059,736	$375,491	$679,961	$733,446
Adams	13,714	1,382	3,429	5,552
Barnes	48,797	4,130	23,996	12,018
Benson	24,865	2,133	18,902	7,575
Billings	11,532	1,021	3,637	850
Bottineau	32,201	1,090	23,626	10,740
Bowman	19,344	2,250	6,700	4,911
Burke	14,705	1,346	6,653	6,652
Burleigh	473,170	45,352	9,006	67,944
Cass	836,181	80,772	29,195	123,746
Cavalier	19,537	2,007	30,257	9,578
Dickey	24,040	2,657	9,884	6,618
Divide	10,577	1,052	11,429	5,058
Dunn	13,969	1,133	12,147	4,008
Eddy	10,995	948	8,693	5,309
Emmons	12,639	1,233	8,323	5,211
Foster	17,997	1,890	6,231	4,828
Golden Valley	9,591	864	5,031	3,906
Grand Forks	499,993	34,592	26,290	60,330
Grant	7,950	711	4,819	3,304
Griggs	9,684	1,009	10,258	3,491
Hettinger	10,915	979	11,364	3,909
Kidder	7,404	723	8,392	3,566
LaMoure	15,944	1,413	9,963	5,413
Logan	6,064	578	10,486	2,771
McHenry	19,307	2,022	15,028	6,286
McIntosh	12,560	1,485	8,342	3,781
McKenzie	54,705	5,044	12,336	8,189
McLean	52,560	6,481	23,782	9,941
Mercer	184,190	20,111	5,577	6,693
Morton	111,194	13,743	15,030	17,080
Mountrail	24,363	2,501	11,960	6,970
Nelson	16,529	1,524	15,205	5,502
Oliver	15,550	2,163	4,958	1,164
Pembina	51,611	4,877	21,794	14,164
Pierce	22,222	2,393	10,039	4,647

TABLE 4.13

PER CAPITA PERSONAL INCOME IN CURRENT DOLLARS BY NORTH DAKOTA COUNTY, 1959-1984 (SELECTED YEARS) AND RANK BY COUNTY, 1984

County	1959	1965	1970	1975	1980	1983	1984	Rank 1984
NORTH DAKOTA	$1,547	$2,323	$3,216	$6,157	$8,651	$11,485	$12,290	
Adams	1,450	2,422	3,831	5,676	8,994	10,557	11,966	29
Barnes	1,521	2,229	3,038	6,684	8,435	11,362	12,256	24
Benson	982	2,065	2,707	6,884	6,717	9,047	10,641	47
Billings	1,459	1,698	3,217	4,120	9,170	10,347	11,061	40
Bottineau	1,331	2,793	3,313	6,593	8,172	11,911	13,604	12
Bowman	1,530	2,459	3,378	5,507	8,645	11,963	13,314	16
Burke	1,258	2,534	3,069	6,481	8,212	12,263	14,275	5
Burleigh	1,990	2,478	3,580	6,187	10,025	13,271	13,516	13
Cass	2,403	2,856	3,984	6,444	10,010	13,178	13,943	7
Cavalier	1,324	2,422	3,131	7,119	7,242	12,692	14,710	4
Dickey	994	1,848	2,846	6,147	7,104	10,073	10,814	43
Divide	1,326	2,564	3,511	7,193	7,714	13,818	16,494	1
Dunn	850	1,397	2,589	4,629	9,760	10,532	11,389	36
Eddy	1,354	2,181	2,833	5,534	7,584	11,972	13,453	14
Emmons	1,086	1,664	2,139	5,119	7,101	8,121	9,402	50
Foster	1,359	2,276	2,962	6,414	8,727	11,078	12,059	26
Golden Valley	1,402	2,720	3,929	5,893	10,792	11,720	12,951	19
Grand Forks	1,856	2,396	3,372	5,731	8,045	10,361	11,060	41
Grant	896	1,607	2,414	4,364	6,657	8,097	8,970	51
Griggs	1,377	2,385	2,959	6,754	7,488	11,298	12,614	20
Hettinger	1,165	2,108	3,250	4,913	8,262	10,657	12,546	21
Kidder	1,117	1,707	2,704	6,519	7,448	8,923	10,133	49
LaMoure	1,251	2,273	2,831	6,401	6,560	9,477	10,751	44
Logan	894	1,491	2,163	5,144	6,892	9,439	11,126	39
McHenry	1,157	2,132	2,948	6,364	7,405	10,620	12,020	28
McIntosh	968	1,658	2,421	5,703	7,253	9,451	10,874	42
McKenzie	1,208	2,200	3,335	5,996	9,038	9,697	11,230	37
McLean	1,068	2,250	3,030	7,167	8,035	11,799	12,965	18
Mercer	1,154	1,967	2,996	6,217	9,081	14,454	11,442	34
Morton	1,360	1,979	2,891	5,202	8,103	10,256	10,592	48

TABLE 4.13--Continued

County	1959	1965	1970	1975	1980	1983	1984	Rank 1984
Mountrail	$1,078	$2,201	$2,691	$5,287	$7,228	$9,746	$10,709	45
Nelson	1,592	2,392	3,354	8,116	8,025	11,721	13,878	9
Oliver	890	1,872	3,021	5,156	7,914	10,935	11,728	31
Pembina	1,614	2,370	3,109	6,955	8,685	12,830	13,787	11
Pierce	1,141	2,241	2,858	6,225	7,183	9,930	11,442	35
Ramsey	1,636	2,628	3,386	7,325	8,926	12,074	13,314	15
Ransom	1,358	1,964	3,126	5,924	7,361	10,707	11,555	33
Renville	1,246	2,878	3,157	7,223	8,369	12,175	14,769	3
Richland	1,271	2,064	2,842	5,509	7,336	10,877	10,665	46
Rolette	1,114	1,593	2,368	4,205	5,734	7,391	7,871	52
Sargent	1,051	1,837	2,929	6,011	7,798	11,247	12,344	23
Sheridan	687	2,072	2,906	6,609	6,927	10,569	12,216	25
Sioux	849	1,344	2,466	3,931	6,232	6,378	6,701	53
Slope	1,175	2,374	3,588	6,320	9,948	9,664	11,702	32
Stark	1,437	1,857	2,778	4,908	8,838	10,656	11,160	38
Steele	1,543	2,644	3,109	8,919	9,042	14,080	15,065	2
Stutsman	1,445	2,214	3,169	6,386	8,756	11,547	12,409	22
Towner	1,812	3,078	3,628	9,755	7,800	11,217	13,108	17
Traill	1,739	2,407	2,925	7,780	8,902	13,296	13,865	10
Walsh	1,516	2,487	2,930	6,716	7,986	10,992	11,752	30
Ward	1,783	2,381	3,336	5,908	8,991	11,125	12,027	27
Wells	1,031	2,387	3,025	7,438	8,546	12,336	13,900	8
Williams	1,879	2,687	3,420	6,466	11,100	12,907	14,110	6

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.15

MEAN COUNTY PER CAPITA INCOME IN NORTH DAKOTA BY PLANNING REGION AND SMSA,* SELECTED YEARS, 1959-1984

Region	1959	1965	1970	1975	1980	1981	1982	1983	1984
Region 1	$1,471	$2,484	$3,422	$6,552	$9,384	$13,408	$12,619	$12,141	$13,495
Region 2	1,285	2,451	3,053	6,297	7,937	11,172	11,125	11,110	12,692
Region 3	1,370	2,328	3,009	9,804	7,334	10,253	10,265	10,732	12,183
Region 4	1,644	2,411	3,191	9,880	8,185	10,617	10,722	11,476	12,619
Region 5	1,560	2,295	3,319	6,764	8,408	11,589	11,299	12,231	12,906
Region 6	1,204	1,848	2,824	6,341	7,751	10,368	10,098	10,673	11,867
Region 7	1,110	1,894	2,815	5,647	7,752	9,741	9,488	10,280	10,767
Region 8	1,308	2,129	3,320	5,246	7,441	11,443	10,668	10,762	12,011
SMSAs									
Bismarck	NA	NA	3,351	5,877	9,422	10,692	11,551	12,328	12,610
Fargo/Moorhead ND-MN	NA	NA	3,712	5,821	9,238	10,576	11,120	11,798	12,739
Grand Forks	NA	NA	3,310	5,731	8,045	9,311	9,863	10,361	11,060

SOURCE: Computed from county data in U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

* SMSA--Standard Metropolitian Statistical Area.

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 4.16

PERSONAL INCOME BY MAJOR SOURCES: THE UNITED STATES AND NORTH DAKOTA, SELECTED YEARS, 1929-1986 (Millions of Dollars)

United States	Wages & Salaries	Other Labor Income	Proprietors Income	Dividends, Interest & Rent	Transfer Payments	Minus Soc. Ins. & Residence Adjustment	Personal Income by Residence (Total)
1929	$50,331	$561	$15,108	$18,446	$1,496	$139	$85,803
1940	49,651	687	13,045	12,281	3,114	656	78,123
1950	145,297	3,822	37,475	27,394	15,072	2,863	226,197
1960	269,800	11,997	46,209	52,703	28,487	9,249	399,947
1970	545,314	35,480	79,960	109,649	85,941	27,810	825,534
1980	1,366,187	138,312	180,597	331,416	326,309	88,745	2,254,076
1981	1,504,561	150,234	184,629	409,957	369,390	104,540	2,514,231
1982	1,579,462	163,540	174,001	447,229	411,649	112,383	2,663,498
1983	1,669,418	173,465	193,353	474,974	443,291	120,126	2,834,375
1984	1,831,503	182,822	233,697	528,785	457,152	132,692	3,101,267
1985	1,967,481	192,163	257,724	561,753	489,845	148,867	3,320,099
1986	2,085,502	200,966	288,044	595,579	518,889	159,458	3,529,522
NORTH DAKOTA							
1929	$133	$1	$82	$26	$5	$1	$246
1940	108	1	80	19	11	1	218
1950	332	7	343	67	49	8	792
1960	560	19	313	155	83	22	1,081
1970	1,067	43	466	258	224	122	1,937
1980	3,183	249	711	1,037	784	375	5,589
1981	3,604	280	992	1,361	893	436	6,692
1982	3,831	320	845	1,526	1,001	476	7,046
1983	3,973	344	767	1,641	1,110	488	7,346
1984	4,077	341	1,170	1,659	1,168	503	7,912
1985	4,145	341	1,267	1,676	1,263	518	8,174
1986	4,152	336	1,399	1,718	1,383	517	8,470

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.1--Continued

County	Wages & Salaries	Other Labor Income	Proprietors Income	
			Farm	Non-Farm
Ramsey	$64,651	$5,975	$19,941	$20,165
Ransom	21,471	2,187	9,998	6,382
Renville	10,868	950	12,838	5,950
Richland	91,088	9,727	15,385	18,605
Rolette	46,185	4,247	9,045	7,804
Sargent	25,189	3,130	10,126	3,716
Sheridan	4,215	391	8,860	2,868
Sioux	13,145	1,006	4,009	1,478
Slope	2,649	225	4,918	269
Stark	155,015	16,180	5,721	31,141
Steele	8,664	778	14,165	2,953
Stutsman	131,663	13,430	28,598	21,865
Towner	13,720	1,519	13,724	5,767
Traill	38,113	3,740	18,634	10,676
Walsh	67,168	6,078	13,659	19,498
Ward	416,913	27,988	18,425	59,438
Wells	21,856	2,124	21,685	8,458
Williams	210,564	20,207	7,468	54,708

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 4.18

DERIVATION OF PERSONAL INCOME ON PLACE-OF-RESIDENCE BY NORTH DAKOTA COUNTY, 1984 (Thousands of Dollars)

County	Total Labor & Propri- etor Income	Minus Social Insur- ance	Plus Res- idence Adjust- ment	Plus Div- idends, Interest & Rent	Plus Transfer Payments	Total Personal Income
Adams	$24,077	$1,683	$1,077	$12,410	$6,441	$42,322
Barnes	88,941	5,000	2,736	55,073	27,455	169,205
Benson	53,475	2,720	-706	21,742	14,601	86,392
Billings	17,040	926	-6,357	3,657	977	14,391
Bottineau	69,657	3,647	3,211	37,440	18,605	125,266
Bowman	33,205	2,028	-70	20,150	6,538	57,795
Burke	29,356	1,915	593	17,234	7,849	53,117
Burleigh	595,472	41,605	11,490	154,888	82,438	802,683
Cass	1,069,894	76,150	-92,163	285,727	132,217	1,319,525
Cavalier	61,379	2,588	2,988	32,189	12,032	106,000
Dickey	43,199	2,543	-460	22,261	13,114	75,571
Divide	28,116	1,391	804	20,169	6,486	54,184
Dunn	31,257	1,436	4,853	18,530	6,690	59,894
Eddy	25,945	1,443	241	11,883	8,039	44,665
Emmons	27,406	1,539	1,901	17,443	8,974	54,185
Foster	30,946	1,917	-278	18,212	8,532	55,495
Golden Valley	19,392	1,168	241	10,567	5,030	34,062
Grand Forks	621,205	40,578	-43,625	144,984	81,280	763,266
Grant	16,784	969	2,139	12,815	6,885	37,654
Griggs	24,442	1,163	140	15,553	7,359	46,331
Hettinger	27,167	1,248	1,087	15,614	8,203	50,823
Kidder	20,085	925	1,584	12,057	5,956	38,757
LaMoure	32,733	1,745	378	23,584	11,382	66,332
Logan	19,899	797	-55	11,599	5,680	36,526
McHenry	42,643	2,231	3,282	28,466	15,901	91,061
McIntosh	26,168	1,454	98	14,707	9,524	49,043
McKenzie	80,274	4,987	-14,208	26,067	9,389	96,535
McLean	92,764	5,161	18,427	39,838	22,536	168,404
Mercer	216,571	14,879	-90,055	24,711	15,133	151,481
Morton	157,047	10,313	41,007	57,286	37,615	282,642

TABLE 4.18--Continued

County	Total Labor & Propri- etor Income	Minus Social Insur- ance	Plus Res- idence Adjust- ment	Plus Div- idends, Interest & Rent	Plus Transfer Payments	Total Personal Income
Mountrail	$45,794	$2,605	$2,997	$26,460	$14,613	$87,259
Nelson	38,760	1,985	(L)	21,710	11,385	69,930
Oliver	23,835	1,258	373	6,077	2,532	31,559
Pembina	92,446	5,236	-4,885	38,362	20,523	141,210
Pierce	39,301	2,257	(L)	21,978	10,402	69,420
Ramsey	110,732	7,086	369	43,760	26,774	174,549
Ransom	40,036	2,392	2,121	23,329	12,518	75,614
Renville	30,606	1,495	1,522	15,824	6,622	53,079
Richland	134,805	8,721	-3,375	60,606	31,423	214,738
Rolette	67,281	4,051	-1,497	17,070	24,705	103,508
Sargent	42,161	2,336	-2,766	18,110	10,083	65,252
Sheridan	16,334	668	963	11,511	4,501	32,641
Sioux	19,638	1,064	-1,724	2,019	6,258	25,127
Slope	8,061	178	180	4,192	1,448	13,703
Stark	208,057	15,150	9,642	73,715	36,167	312,431
Steele	26,560	908	859	12,921	5,190	44,622
Stutsman	195,556	12,125	-1,376	74,219	39,106	295,380
Towner	34,730	1,678	294	19,740	7,814	60,900
Traill	71,163	3,960	2,364	42,174	18,690	130,431
Walsh	106,403	6,570	-507	54,777	29,559	183,662
Ward	522,764	36,427	17,459	143,489	91,169	738,454
Wells	54,123	2,672	611	28,727	14,844	95,633
Williams	292,947	22,378	-10,792	259,777	86,445	37,629

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

(L) Less than $50,000.

TABLE 4.19

MEDIAN INCOME OF HOUSEHOLDS AND FAMILIES FOR NORTH DAKOTA COUNTIES, 1979

County	Households	Families	County	Households	Families
NORTH DAKOTA	$15,293	$18,024			
Adams	13,933	16,271	Mountrail	$12,871	$15,316
Barnes	13,998	17,101	Nelson	11,755	14,931
Benson	12,827	14,760	Oliver	16,792	18,618
Billings	20,257	22,241	Pembina	13,997	16,463
Bottineau	13,169	15,232	Pierce	12,141	15,472
Bowman	13,807	17,342	Ramsey	15,243	17,641
Burke	12,039	14,626	Ransom	13,654	16,242
Burleigh	19,096	22,026	Renville	13,497	16,250
Cass	17,621	21,739	Richland	15,589	18,145
Cavalier	14,570	16,992	Rolette	11,188	12,692
Dickey	11,932	14,816	Sargent	14,190	16,516
Divide	14,060	16,458	Sheridan	11,590	12,558
Dunn	12,676	14,271	Sioux	11,468	12,057
Eddy	12,724	15,630	Slope	12,147	13,606
Emmons	10,983	12,840	Stark	16,650	19,222
Foster	14,230	15,810	Steele	16,115	18,180
Golden Valley	14,219	17,818	Stutsman	15,064	18,300
Grand Forks	15,478	18,307	Towner	14,462	16,670
Grant	9,400	10,696	Traill	15,397	18,235
Griggs	13,278	15,850	Walsh	12,544	15,223
Hettinger	11,775	13,489	Ward	15,517	17,633
Kidder	10,455	11,586	Wells	12,178	14,849
LaMoure	12,209	14,432	Williams	18,768	21,085
Logan	10,423	12,018			
McHenry	11,478	13,664			
McIntosh	10,132	12,220			
McKenzie	15,428	17,110			
McLean	15,178	17,355			
Mercer	18,680	20,703			
Morton	16,438	18,798			

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, 1980 Census of Population and Housing North Dakota.

TABLE 4.21

TOP WEALTHHOLDERS WITH GROSS ASSETS OF $300,000 OR MORE, BY REGION AND STATE OF RESIDENCE 1982

Region and State	Number of Top Wealth-Holders (1,000)	Total Assets (Billion Dollar)	Net Worth (Billion Dollar)	Millionaire Defined by Net Worth Number (1,000)	Millionaire Defined by Net Worth Amount (Bil.Dol.)
TOTAL	4,377.9	2,897.2	2,423.1	407.1	1,001.3
North East	195.3	135.1	118.0	21.4	52.0
ME	10.8	8.6	4.6	0.8	1.8
NH	14.5	8.5	7.9	2.1	3.1
VT	7.5	4.9	4.0	0.7	1.8
MA	78.9	49.8	43.5	7.6	18.3
RI	7.8	4.3	3.5	0.8	1.4
CT	75.8	59.0	54.5	9.4	25.6
Middle Atlantic	610.0	391.2	350.6	64.9	158.5
NY	306.0	29.1	189.3	30.9	98.1
NJ	144.8	79.8	73.3	8.3	22.7
PA	159.2	101.9	88.0	25.7	37.8
East North Central	664.0	372.3	311.8	43.2	96.4
OH	158.5	86.1	75.6	12.6	25.6
IN	60.0	32.5	28.1	4.5	9.2
IL	241.0	147.0	116.4	14.5	34.4
MI	118.1	64.2	56.7	7.3	17.2
WI	85.8	42.5	35.0	4.3	10.0
West North Central	473.0	314.2	237.8	40.1	82.5
MN	91.0	102.4	62.4	17.6	37.7
IA	115.5	56.9	44.6	3.3	4.9
MO	72.7	48.6	41.0	7.7	15.6
ND	51.1	23.7	20.2	3.8	4.5
SD	15.4	8.5	6.6	1.2	2.1
NE	66.5	36.5	29.8	3.3	7.3
KS	60.8	37.7	33.2	3.2	10.4
South Atlantic	678.2	465.6	396.1	67.3	189.1
DE	6.0	5.0	4.0	0.7	1.5
MD	98.0	67.5	60.2	8.9	33.3
VA	99.2	43.8	38.5	4.9	14.8
WV	8.4	7.7	4.7	0.6	1.5
NC	70.1	36.4	29.6	3.6	8.0
SC	42.1	18.9	16.3	2.2	4.0
GA	72.9	46.8	37.4	5.8	14.4
FL	279.5	239.2	205.4	40.6	111.8
East South Central	153.2	90.0	73.8	14.9	30.2
KY	42.2	23.8	18.5	3.5	7.4
TN	47.9	28.8	23.1	5.3	10.0
AL	33.9	21.3	19.0	4.1	8.9
MI	29.2	16.1	13.2	2.0	3.8

TABLE 4.21--Continued

Region and State	Number of Top Wealth-Holders (1,000)	Total Assets (Billion Dollar)	Net Worth (Billion Dollar)	Millionaire Defined by Net Worth	
				Number (1,000)	Amount (Bil.Dol.)
West South Central	582.0	382.0	323.1	52.8	132.2
AR	36.2	20.6	15.8	2.6	5.1
LA	59.9	40.2	32.8	6.2	15.4
OK	68.4	40.2	31.9	4.5	10.5
TX	417.5	281.0	242.6	39.5	101.2
Mountain	251.5	172.6	138.3	22.5	55.8
MT	23.0	13.1	9.1	0.9	2.1
ID	14.5	10.8	7.7	1.0	2.5
WY	13.3	10.1	8.4	1.3	2.8
CO	72.9	52.9	42.0	6.9	19.3
NM	13.6	9.1	7.0	1.1	2.8
AZ	66.0	42.5	35.7	5.5	12.9
UT	22.2	18.3	15.5	4.3	9.7
NV	26.0	15.8	12.8	1.5	3.0
Pacific	761.2	567.7	467.4	79.0	201.9
WA	65.4	56.2	49.4	10.4	26.5
OR	48.5	27.2	23.3	2.1	4.1
CA	617.0	467.2	383.4	64.5	166.7
AK	16.1	8.2	6.8	1.2	2.9
HI	14.2	8.8	4.3	.8	1.7

SOURCE: Statistical Abstract of the United States, 1986.

TABLE 4.22

CHARACTERISTICS OF PERSONS BELOW THE POVERTY LEVEL BY AGE, SEX AND RACE/ETHNICITY IN NORTH DAKOTA, 1980

Age	Below the Poverty Level Total	 Male	 Female	Below 125% of the Poverty Level Total	 Male	 Female
Under 16	24,383	12,046	12,337	34,448	17,117	17,331
16-17	3,336	1,591	1,745	4,529	2,170	2,359
18-21	8,202	3,455	4,747	10,749	4,559	6,190
22-54	25,164	11,470	13,694	35,198	16,176	19,022
55-64	5,699	2,611	3,088	7,955	3,622	4,333
Over 65	12,540	4,277	8,263	19,356	6,865	12,491
Total	79,324	35,450	43,874	112,235	50,509	61,726

Age	Below the Poverty Level Total	 American Indians	 Other Minorities
Under 16	24,383	3,680	655
16-17	3,336	400	122
18-21	8,202	693	122
22-54	25,164	2,266	458
55-64	5,699	211	2
Over 65	12,540	271	29
Total	79,324	7,521	1,388

SOURCE: Job Service North Dakota, Annual Planning Report, Fiscal Year 1986.

TABLE 4.23

POVERTY STATUS OF FAMILIES AND PERSONS IN NORTH DAKOTA, 1979

	Place of Residence				
		Inside	Outside	Rural	
	Total	SMSA's	SMSA's	Total	Farm
ALL INCOME LEVELS IN 1979					
FAMILIES	168,418	58,327	110,091	89,876	28,757
With Public Assistance Income	7,075	2,278	4,797	3,685	549
Income Above Poverty Level	4,680	1,544	3,136	2,463	448
Below Poverty Level W/O Assist	880	228	652	494	49
Female Householder, W/O Spouse	13,207	2,616	7,591	5,028	676
UNRELATED INDIVIDUALS	76,208	33,327	42,881	28,968	3,842
With Public Assistance Income	3,383	1,119	2,264	1,642	83
Income Above Poverty Level	1,180	414	766	484	38
Below Poverty Level W/O Assist	574	206	368	234	15
PERSONS	627,325	223,057	404,268	329,176	103,801
Related Children Under 18	189,131	65,157	123,974	103,678	33,775
Ages 18-64	364,604	138,616	225,988	180,321	60,070
Ages Over 65	73,590	19,824	54,306	45,177	9,956
INCOME IN 1979 BELOW POVERTY LEVEL					
FAMILIES	16,449	3,748	12,701	11,775	5,567
With Public Assistance Income	2,395	734	1,661	1,222	101
Householder Worked in 1979	11,899	2,791	9,108	8,662	5,035
With Related Children Under 18	11,197	2,777	8,420	7,698	3,973
With Children 5-17	8,602	1,946	6,656	6,410	3,423
Female Householder W/O Spouse	3,519	1,339	2,180	1,461	99
Householder Worked in 1979	2,099	949	1,150	691	68
With Related Children Under 18	3,097	1,208	1,889	1,195	51
With Children Under 6	1,850	758	1,092	619	10
Householder Over 65	2,605	380	2,225	2,006	409
UNRELATED INDIVIDUALS	19,909	8,379	11,530	8,468	880
With Public Assistance Income	2,203	705	1,498	1,158	45
Worked in 1979	9,577	5,103	4,474	2,717	571
PERSONS	79,324	21,186	58,138	52,847	23,423
Related Children Under 18	27,069	6,148	20,921	19,735	10,141
Ages 18-64	39,715	12,196	27,519	24,765	12,293
Ages Over 65	12,540	2,842	9,698	8,347	989
INCOME IN 1979 BELOW 125 PERCENT OF THE POVERTY LEVEL					
FAMILIES	24,220	5,674	18,546	16,779	7,318
With Public Assistance Income	3,118	145	2,192	1,630	145
Householder Worked in 1979	17,671	4,246	13,425	12,333	6,638
With Related Children Under 18	15,934	4,004	11,930	10,612	5,157
With Children 5 to 17	12,132	2,765	9,367	8,758	4,397
Female Householder, W/O Spouse	4,732	1,806	2,926	1,961	128
Householder Worked in 1979	2,986	1,326	1,660	998	84
With Related Children Under 18	3,978	1,555	2,423	1,525	65
With Children Under 6	2,218	911	1,307	747	12
UNRELATED INDIVIDUALS	25,864	10,546	15,318	11,047	1,105
With Public Assistance Income	2,548	809	1,739	1,313	49
Worked in 1979	12,534	6,386	6,148	3,764	709
PERSONS	112,235	29,781	82,454	73,231	30,450
Related Children Under 18	38,288	8,921	29,367	26,976	12,988
Ages 18-64	54,591	16,470	38,121	33,610	15,972
Ages Over 65	19,356	4,390	14,966	12,645	1,490

SOURCE: Job Service North Dakota, Annual Planning Report, Fiscal Year 1986.

TABLE 4.20

PERSONS BELOW POVERTY LEVEL BY NORTH DAKOTA COUNTY, 1979

County	Persons for Whom Poverty Status is Determined						
		Income in 1979 Below Poverty Level					Income Less than 125% of Poverty Level
	Total	Total	%	65 Years and Over	Related Children		
					Under 18 Years	5 to 17 Years	
NORTH DAKOTA	627,325	79,317	12.6%	12,540	27,065	18,827	112,228
Adams	3,494	597	17.1	88	198	156	790
Barnes	13,312	1,778	13.4	272	552	400	2,692
Benson	7,854	1,826	23.2	207	867	574	2,381
Billings	1,138	216	19.0	8	114	87	269
Bottineau	8,841	1,109	12.5	217	320	228	1,715
Bowman	4,171	557	13.4	88	206	169	792
Burke	3,806	686	18.0	135	239	184	932
Burleigh	53,650	4,234	7.9	641	1,362	910	5,688
Cass	84,655	7,712	9.1	1,011	1,798	1,183	1,025
Cavalier	7,527	1,003	13.3	181	310	221	1,592
Dickey	6,737	1,250	18.6	192	443	326	1,837
Divide	3,383	361	10.7	112	81	43	553
Dunn	4,616	974	21.1	83	440	348	1,336
Eddy	3,495	459	13.1	122	147	108	696
Emmons	5,798	1,429	24.6	261	541	434	2,023
Foster	4,502	525	11.7	83	188	135	824
Golden Valley	2,344	337	14.4	48	124	84	523
Grand Forks	60,039	6,601	11.0	695	2,088	1,181	9,690
Grant	4,268	1,381	32.4	193	569	432	1,739
Griggs	3,662	450	12.3	121	116	72	667
Hettinger	4,178	874	20.9	67	370	282	1,219
Kidder	3,792	1,082	28.5	115	408	296	1,416
LaMoure	6,273	1,059	16.9	146	376	274	1,495
Logan	3,449	785	22.8	134	302	206	1,061
McHenry	7,835	1,439	18.4	345	417	341	2,106
McIntosh	4,713	1,144	24.3	274	350	264	1,413
McKenzie	7,027	1,028	14.6	109	408	294	1,459

TABLE 4.20--Continued

County	Persons for Whom Poverty Status is Determined						
	Total	Income in 1979 Below Poverty Level					Income Less than 125% of Poverty Level
		Total	%	65 Years and Over	Related Children		
					Under 18 Years	5 to 17 Years	
McLean	12,305	1,601	13.0%	386	484	353	2,438
Mercer	9,177	963	10.5	161	323	236	1,254
Morton	24,713	2,632	10.7	495	896	697	3,871
Mountrail	7,494	1,220	16.3	168	499	337	1,679
Nelson	5,049	791	15.7	184	223	163	1,230
Oliver	2,490	372	14.9	53	130	107	452
Pembina	10,170	1,234	12.1	289	392	267	1,742
Pierce	6,006	878	14.6	195	320	244	1,337
Ramsey	12,551	1,175	9.4	233	379	231	1,947
Ransom	6,430	765	11.9	158	273	195	1,138
Renville	3,551	593	16.7	61	244	192	856
Richland	17,434	1,956	11.2	407	474	275	2,909
Rolette	11,763	3,554	30.2	22	1,808	1,254	4,524
Sargent	5,447	576	10.6	129	176	126	880
Sheridan	2,786	644	23.1	69	237	163	862
Sioux	3,591	1,167	32.5	73	586	415	1,487
Slope	1,155	264	22.9	30	99	82	338
Stark	22,833	2,687	11.8	471	969	779	3,380
Steele	3,104	371	12.0	51	114	82	526
Stutsman	22,861	2,631	11.5	567	850	558	3,626
Towner	3,976	619	15.6	98	225	156	818
Traill	9,043	806	8.9	232	192	119	1,289
Walsh	14,324	2,211	15.4	506	740	553	3,194
Ward	55,784	5,615	10.1	759	2,092	1,266	8,801
Wells	6,850	1,181	17.2	217	410	315	1,600
Williams	21,879	1,915	8.8	373	596	430	2,617

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, 1980 Census of Population and Housing North Dakota.

TABLE 4.24

PERSONS RECEIVING FOOD STAMPS BY NORTH DAKOTA COUNTY, FIRST QUARTER AVERAGE 1982-1985

	1982	1983	1984	1985	Percent Change 1982-83	1983-84	1984-85
REGION I							
Williams	478	1,078	867	844	125.5	-19.6	-2.7
Divide	69	73	104	94	5.8	42.5	-9.6
McKenzie	490	750	588	541	53.1	-21.6	-8.0
TOTAL	**1,037**	**1,901**	**1,559**	**1,479**	**83.3**	**-18.0**	**-5.1**
REGION II							
Ward	2,249	2,525	2,531	2,815	12.3	0.2	11.2
Bottineau	396	571	459	504	44.2	-19.6	9.8
Burke	121	131	150	151	8.3	14.5	0.7
McHenry	472	479	447	515	1.5	-6.7	15.2
Mountrail	469	660	653	619	40.7	-1.1	-5.2
Pierce	353	350	394	371	0.8	12.6	-5.8
Renville	61	69	51	65	13.1	-26.1	27.5
TOTAL	**4,121**	**4,785**	**4,685**	**5,040**	**16.1**	**-2.1**	**7.6**
REGION III							
Ramsey	647	719	745	771	11.1	3.6	3.5
Benson	1,114	1,298	1,012	1,107	16.5	-22.0	9.4
Cavalier	392	381	386	393	2.8	1.3	1.8
Towner	192	251	246	259	30.7	-2.0	5.3
Eddy	229	237	223	239	3.5	-5.9	7.2
Rolette	2,426	2,724	2,718	2,762	12.3	-0.2	1.6
TOTAL	**5,000**	**5,610**	**5,330**	**5,531**	**12.2**	**-5.0**	**3.8**
REGION IV							
Grand Forks	2,811	3,194	2,556	2,683	13.6	-20.0	5.0
Nelson	116	141	138	162	21.6	-2.1	17.4
Walsh	510	673	710	687	32.0	5.5	-3.2
Pembina	538	467	581	456	13.2	24.4	-21.5
TOTAL	**3,975**	**4,475**	**3,985**	**3,988**	**12.6**	**-10.9**	**0.1**
REGION V							
Cass	2,744	2,886	2,570	2,794	5.2	-10.9	8.7
Traill	275	372	369	355	35.3	-0.8	-3.8
Steele	75	112	118	79	49.3	5.4	-33.1
Ransom	322	355	369	397	10.2	3.9	7.6
Richland	724	917	988	920	26.7	7.7	-6.9
Sargent	296	365	332	244	23.3	-9.0	-26.5
TOTAL	**4,436**	**5,007**	**4,746**	**4,789**	**12.9**	**-5.2**	**0.9**

5.00

LABOR FORCE, EMPLOYMENT, AND EARNINGS

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TABLE 5.01

NORTH DAKOTA LABOR FORCE, EMPLOYMENT STATUS AND UNEMPLOYMENT RATE, 1970-1986

Year	Labor Force	Number Employed	Number Unemployed	Unemployment Rate
1970	226,620	219,190	7,430	4.7%
1971	231,650	222,900	8,750	5.4
1972	240,440	232,110	8,330	4.9
1973	246,320	238,730	8,190	4.7
1974	257,840	249,560	8,280	4.6
1975	266,150	256,460	9,690	5.2
1976	280,000	270,000	10,000	3.6
1977	288,000	274,000	14,000	4.8
1978	294,000	280,000	14,000	4.8
1979	301,000	290,000	11,000	3.7
1980	303,000	288,000	15,000	5.0
1981	311,000	296,000	16,000	5.0
1982	316,000	297,000	18,000	5.9
1983	319,000	301,000	18,000	5.6
1984	327,000	310,000	17,000	5.1
1985	334,000	314,000	20,000	5.9
1986	331,000	310,000	21,000	6.3

SOURCE: Data supplied by Job Service North Dakota. (Current Population Survey adjusted).

TABLE 4.24--Continued

	1982	1983	1984	1985	Percent Change 1982-83	 1983-84	 1984-85
REGION I							
Stutsman	1,292	1,391	1,471	1,371	7.7	5.8	-6.8
Wells	212	297	335	307	40.1	12.8	-8.4
McIntosh	299	345	325	230	15.4	-5.8	-29.2
Logan	295	287	266	240	-2.7	-7.3	-9.8
Foster	186	173	196	180	-7.0	13.3	-8.2
Dickey	433	513	569	492	18.5	10.9	-13.5
LaMoure	266	381	395	328	43.2	3.7	-17.0
Barnes	520	715	712	776	37.5	-0.4	9.0
Griggs	173	255	249	222	47.4	-2.4	-10.8
TOTAL	**3,676**	**4,357**	**4,518**	**4,146**	**18.5**	**3.7**	**-8.2**
REGION VII							
Burleigh	2,295	2,426	2,402	2,950	5.7	-1.0	22.8
McLean	575	626	621	572	8.9	-0.8	-7.9
Sheridan	153	212	240	266	38.6	13.2	10.8
Kidder	269	291	298	280	8.2	2.4	-6.0
Emmons	350	375	381	323	7.1	1.6	-15.2
Morton	1,557	1,566	1,659	1,948	0.6	5.9	17.4
Mercer	484	303	276	351	-37.4	-8.9	27.2
Oliver	87	67	111	79	-23.0	65.7	-28.8
Grant	378	418	448	409	10.6	7.2	-8.7
Sioux	854	994	515	599	16.4	-48.2	16.3
TOTAL	**7,002**	**7,276**	**6,950**	**7,777**	**3.9**	**-4.5**	**11.9**
REGION VIII							
Stark	627	1,175	1,358	1,382	87.4	15.6	1.8
Hettinger	135	116	127	131	-14.1	9.5	3.1
Dunn	153	195	202	228	27.5	3.6	12.9
Bowman/Slope	82	147	167	152	79.3	13.6	-9.0
Billings/Golden Valley	52	103	117	144	98.1	13.6	23.1
Adams	68	119	114	98	75.0	-4.2	-14.0
TOTAL	**1,117**	**1,855**	**2,085**	**2,081**	**66.1**	**12.4**	**-0.2**
STATE TOTAL*	**30,349**	**35,267**	**33,857**	**34,992**	**16.2**	**-4.0**	**3.4**

SOURCE: Job Service North Dakota, Annual Planning Report, Fiscal Year 1986.

* Totals may not add due to rounding.

TABLE 5.02

LABOR FORCE, UNEMPLOYMENT, AND EMPLOYMENT BY INDUSTRY, NORTH DAKOTA, 1970-1985

Item	1970	1980	1981	1982	1983	1984	1985
Total Civilian Labor Force	238,740	329,280	332,380	338,170	317,000	328,000	336,000
Unemployment	11,120	16,510	16,460	18,000	18,000	17,000	20,000
Rate of Unemployment	4.7%	5.0%	5.0%	5.3%	5.6%	5.1%	5.9%
Total Employment	227,620	312,770	315,920	320,170	299,000	311,000	316,000
Total Ag. Employment[1] [2]	51,920	52,680	52,270	**47,977**	**49,261**	**47,374**	**46,554**
Ag. Self-Employed[2]	42,750	42,860	42,470	**39,627**	**41,140**	**39,633**	**37,957**
Ag. Wage & Salary[2]	9,170	9,820	9,800	**8,350**	**8,113**	**7,741**	**8,597**
Total Non-Ag. Emp.[2]	175,700	260,090	263,650	**303,630**	**307,863**	**313,250**	**314,900**
Non-Ag. Self-Emp.[2]	26,790	34,520	34,810	**41,595**	**43,555**	**46,582**	**49,324**
Adj. Wage & Salary Emp.[2]	148,910	225,570	228,840	**262,035**	**264,308**	**266,676**	**265,576**
Conceptual Diff.[2]	-14,320	-19,650	-19,720	**-8,350**	**-8,113**	**-7,741**	**-8,597**
Wage & Salary Emp.[2] [3]	163,230	245,220	248,560	**270,385**	**272,421**	**274,417**	**274,173**
Mining	1,610	7,840	10,850	9,260	6,860	7,390	6,870
Construction	9,790	16,500	14,820	15,640	17,440	14,150	11,710
Manufacturing	9,910	15,570	15,290	14,920	14,820	15,450	15,430
Trans., Comm., Util.	12,200	16,780	17,110	16,840	16,100	16,430	16,370
Wholesale Trade		20,630	21,060	21,380	20,110	20,580	19,870
Retail Trade	43,890*	46,150	45,230	45,810	45,420	47,110	47,610
Fin., Ins., Real Est.	7,040	11,450	11,750	11,810	11,890	12,190	12,450
Services	29,550	49,360	51,940	54,130	55,610	57,460	57,820
Government	49,240	60,940	60,510	60,710	61,130	61,940	63,060

SOURCE: Job Service North Dakota, Research and Statistics Section, Form NDRS - 31a (not Current Population Survey adjusted).

[1] Agriculture employment data for 1970, 1980, and 1981 were derived from estimates prepared by the Statistical Reporting Service, U.S. Department of Agriculture.

[2] Employment data for 1982-1985 were obtained from U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

[3] Wage and Salary Employment data for 1970, 1980, and 1981 were prepared in cooperation with the U.S. Department of Labor.

* Combined wholesale and retail trade.

TABLE 5.03

NORTH DAKOTA LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT BY PLANNING REGION AND COUNTY, 1983-1985

Region and County	1983			1984			1985		
	Labor Force	Emp.	Un-emp.	Labor Force	Emp.	Un-emp.	Labor Force	Emp.	Un-emp.
Divide	1,684	1,624	60	1,681	1,624	57	1,648	1,587	61
McKenzie	3,891	3,643	248	3,980	3,843	137	3,861	3,683	178
Williams	14,203	13,020	1,183	14,571	14,018	553	14,373	13,420	953
Region 1 Total	19,778	18,287	1,491	20,232	19,485	747	19,882	18,690	1,192
Bottineau	4,199	3,957	242	4,219	4,011	208	3,999	3,718	281
Burke	2,020	1,903	117	2,014	1,914	100	1,614	1,510	104
McHenry	3,288	2,994	294	3,396	3,032	364	3,113	2,708	405
Mountrail	3,599	3,340	259	3,664	3,405	259	3,376	3,111	265
Pierce	3,057	2,909	148	3,164	3,038	126	2,731	2,585	146
Renville	1,593	1,508	85	1,626	1,550	76	1,450	1,360	90
Ward	24,238	22,791	1,447	25,749	24,335	1,414	25,870	24,104	1,766
Region 2 Total	41,994	39,402	2,592	43,832	41,285	2,547	42,153	39,096	3,057
Benson	3,232	2,895	337	3,353	3,040	313	3,401	3,099	302
Cavalier	3,524	3,318	206	3,531	3,343	188	2,906	2,719	187
Eddy	1,699	1,567	132	1,800	1,658	142	1,596	1,443	153
Ramsey	6,657	6,311	346	6,900	6,554	3,476	6,543	6,149	394
Rolette	4,883	4,289	594	5,119	4,504	615	5,243	4,571	672
Towner	2,166	2,096	70	2,264	2,196	68	1,887	1,807	80
Region 3 Total	22,161	20,476	1,685	22,967	21,295	1,672	21,576	19,788	1,788
Grand Forks	26,691	25,420	1,271	29,147	27,952	1,195	34,399	33,113	1,286
Nelson	2,719	2,549	170	2,732	2,569	163	2,227	2,069	158
Pembina	5,837	5,394	443	6,036	5,593	443	5,519	5,108	411
Walsh	8,386	7,924	462	8,651	8,228	423	8,159	7,706	43
Region 4 Total	43,633	41,287	2,346	46,566	44,342	2,224	50,304	47,996	2,308
Cass	45,524	43,726	1,798	47,253	45,769	1,484	54,294	52,316	1,978
Ransom	2,947	2,814	133	2,967	2,852	115	2,796	2,681	115
Richland	8,730	8,337	393	9,378	9,031	347	8,623	8,096	527
Sargent	2,616	2,437	179	2,660	2,542	118	2,669	2,548	121
Steele	1,415	1,367	48	1,422	1,376	46	1,338	1,279	29
Traill	4,644	4,472	172	4,852	4,689	163	4,569	4,365	204
Region 5 Total	65,876	63,153	2,723	68,532	66,259	2,273	74,289	71,285	3,004

TABLE 5.03--Continued

Region and County	1983 Labor Force	1983 Emp.	1983 Un-emp.	1984 Labor Force	1984 Emp.	1984 Un-emp.	1985 Labor Force	1985 Emp.	1985 Un-emp.
Barnes	6,262	5,936	326	6,211	5,870	341	6,242	5,858	384
Dickey	3,484	3,357	127	3,556	3,448	108	3,479	3,343	136
Foster	2,186	2,080	106	2,207	2,098	109	2,315	2,200	115
Griggs	1,684	1,620	64	1,731	1,668	63	1,620	1,535	85
LaMoure	2,608	2,512	96	2,682	2,583	99	2,672	2,544	128
Logan	1,479	1,425	54	1,558	1,502	56	1,576	1,499	77
McIntosh	2,414	2,325	89	2,402	2,336	66	2,403	2,331	72
Stutsman	11,573	10,963	610	12,107	11,494	613	12,706	12,005	701
Wells	3,388	3,198	190	3,500	3,293	207	3,164	2,935	229
Region 6 Total	35,078	33,416	1,662	35,954	34,292	1,662	36,177	34,250	1,927
Burleigh	27,143	25,568	1,575	29,101	27,307	1,794	31,006	28,870	2,136
Emmons	2,493	2,317	176	2,530	2,328	202	2,467	2,301	166
Grant	1,727	1,641	86	1,772	1,681	91	2,165	2,049	116
Kidder	1,523	1,397	126	1,592	1,457	135	1,690	1,543	147
McLean	5,469	5,108	361	5,702	5,159	543	5,075	4,590	485
Mercer	10,366	10,037	329	8,389	7,760	629	7,192	6,487	705
Morton	12,453	11,645	808	13,441	12,437	1,004	14,063	12,972	1,091
Oliver	1,088	1,030	58	1,203	1,122	81	1,138	1,039	99
Sheridan	1,247	1,205	42	1,219	1,175	44	1,290	1,226	64
Sioux	1,347	1,216	131	1,350	1,240	110	1,328	1,201	127
Region 7 Total	64,856	61,164	3,692	66,300	61,666	4,634	67,414	62,278	5,136
Adams	1,997	1,914	83	2,056	2,008	48	1,848	1,[illegible]	[illegible]
Billings	876	849	27	903	883	20	863	838	25
Bowman	2,239	2,122	117	2,230	2,167	63	2,406	2,295	111
Dunn	2,142	1,946	196	2,122	1,946	176	2,166	1,982	184
Golden Valley	1,279	1,201	78	1,279	1,218	61	1,177	1,106	71
Hettinger	1,942	1,836	106	1,911	1,828	83	2,139	2,039	100
Slope	537	506	31	557	532	25	568	526	42
Stark	12,617	11,444	1,173	12,559	11,795	764	13,042	12,035	1,007
Region 8 Total	23,629	21,818	1,811	23,617	22,377	1,240	24,209	22,617	1,592

SOURCE: Job Service North Dakota, Research and Statistics, Form NDRS - 31d (Annual Averages, not Current Population Survey adjusted).

Note: Refer to page 2 North Dakota Planning and Development Regions.

TABLE 5.04

DISTRIBUTION OF EMPLOYMENT BY INDUSTRY, UNITED STATES AND NORTH DAKOTA, 1985

Industry	United States	Percentage Distribution United States	North Dakota	Percentage Distribution North Dakota
Total Employment	123,404,900	100.0%	361,454	100.0%
Number of Proprietors	18,506,900	15.0	87,281	24.1
Farm	2,447,000	1.2	37,957	10.5
Non-Farm	16,059,900	13.0	49,324	13.6
Total Wage & Salary Employment	104,898,000	85.0	274,173	75.9
Farm	1,021,000	0.8	8,597	2.4
Non-Farm	103,877,000	84.2	265,576	73.5
Private	100,711,900	81.6	245,485	67.9
Ag. Serv., For., Fish., Other	1,259,400	1.0	2,996	0.8
Mining	1,226,300	1.0	7,439	2.1
Construction	6,430,400	5.2	19,369	5.4
Manufacturing	19,727,600	16.0	16,652	4.6
Non-Durable Goods	7,938,700	6.4	9,463	2.6
Durable Goods	11,788,900	9.6	7,189	2.0
Transportation & Public Utilities	5,899,700	4.8	19,223	5.3
Wholesale Trade	6,241,100	5.1	21,171	5.9
Retail Trade	20,267,900	16.4	59,907	16.6
Finance, Ins., & Real Estate	9,179,300	7.4	15,680	4.3
Services	30,480,200	24.7	83,048	23.0
Government	19,225,000	15.6	69,415	19.2
Federal, Civilian	3,061,000	2.5	9,460	2.6
Federal, Military	2,724,000	2.2	15,698	4.3
State and Local	13,440,000	10.9	44,257	12.2

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

TABLE 5.05

NORTH DAKOTA EMPLOYMENT BY PLACE OF WORK BY COUNTY, 1984

County	Total Employment	Number of Proprietors	Farm Proprietors	Non-Farm Proprietors	Total Wage & Salary Employment	Farm	Non-Farm Private	Government
Adams	1,867	725	451	274	1,142	89	858	195
Barnes	6,444	2,423	1,183	1,240	4,021	215	2,786	1,020
Benson	3,280	1,335	942	393	1,945	157	1,275	513
Billings	945	295	250	45	650	42	474	134
Bottineau	4,449	1,883	1,108	775	2,566	169	1,695	701
Bowman	2,170	691	354	337	1,479	9	1,151	259
Burke	1,870	910	610	300	960	51	634	275
Burleigh	33,865	4,488	761	3,727	29,377	128	22,607	6,642
Cass	60,552	8,226	1,430	6,796	52,326	442	42,694	9,190
Cavalier	3,376	1,673	1,021	652	1,703	148	1,154	401
Dickey	3,436	1,265	720	545	2,171	149	1,577	445
Divide	1,816	893	646	247	923	76	645	202
Dunn	2,055	965	723	242	1,090	175	611	304
Eddy	1,716	637	364	273	1,079	129	740	210
Emmons	2,377	1,233	866	367	1,144	101	690	353
Foster	2,148	725	340	385	1,423	80	1,074	269
Golden Valley	1,275	518	270	248	757	58	525	174
Grand Forks	37,545	4,454	1,072	3,382	33,091	355	19,418	13,318
Grant	1,827	1,061	764	297	766	94	444	228
Griggs	1,638	795	503	292	843	87	555	201
Hettinger	1,912	909	567	342	1,003	133	614	256
Kidder	1,612	897	566	331	715	146	342	227
LaMoure	2,743	1,310	845	465	1,433	210	816	407
Logan	1,480	833	608	225	647	69	388	190
McHenry	3,175	1,701	1,057	644	1,474	119	902	453
McIntosh	2,418	1,036	630	406	1,382	107	1,024	251
McKenzie	4,361	1,193	831	362	3,168	96	2,564	508
McLean	5,287	2,006	1,226	780	3,281	101	2,413	767
Mercer	8,310	1,095	605	490	7,215	74	6,488	653
Morton	10,483	2,779	1,000	1,779	7,704	167	6,068	1,469

TABLE 5.08

NUMBER OF BUSINESS ESTABLISHMENTS BY NORTH DAKOTA COUNTY, BY EMPLOYMENT SIZE CLASS, 1984

County	Total # of Establishments	Number of Employees						
		1-4	5-9	10-19	20-49	50-99	100-249	250+
NORTH DAKOTA	19,282							
Adams	122	79	21	17	3	1	1	-
Barnes	385	234	77	40	25	6	3	-
Benson	134	104	17	10	2	-	-	1
Billings	25	16	5	3	1	-	-	-
Bottineau	284	200	45	24	12	2	1	-
Bowman	151	93	34	17	5	2	-	-
Burke	102	79	14	8	1	-	-	-
Burleigh	1,878	1,033	408	223	135	47	23	8
Cass	3,081	1,575	654	403	295	90	50	14
Cavalier	199	139	36	17	5	2	-	-
Dickey	210	141	34	22	8	5	-	-
Divide	109	75	21	8	3	2	-	-
Dunn	103	68	25	8	2	-	-	-
Eddy	104	67	21	12	2	2	-	-
Emmons	139	104	19	11	3	2	-	-
Foster	182	127	33	14	6	1	1	-
Golden Valley	98	71	15	7	4	1	-	-
Grand Forks	1,621	879	349	216	119	39	14	5
Grant	97	67	22	74	-	1	-	-
Griggs	102	71	16	13	1	1	-	-
Hettinger	116	75	25	12	3	1	-	-
Kidder	82	67	9	4	2	-	-	-
LaMoure	161	119	25	13	3	1	-	-
Logan	89	67	12	7	1	2	-	-
McHenry	163	120	27	9	6	1	-	-
McIntosh	154	117	20	11	3	3	-	-
McKenzie	198	128	40	19	7	4	-	-
McLean	290	204	45	30	6	4	-	1
Mercer	281	161	71	18	19	6	5	1
Morton	615	348	134	71	38	14	10	-

TABLE 5.08--Continued

County	Total # of Establishments	Number of Employees						
		1-4	5-9	10-19	20-49	50-99	100-249	250+
Mountrail	225	157	36	25	3	3	1	-
Nelson	172	122	28	16	4	2	-	-
Oliver	30	18	9	1	-	1	1	-
Pembina	333	227	60	29	11	3	2	1
Pierce	178	118	28	17	13	1	-	1
Ramsey	433	246	97	52	30	6	1	1
Ransom	195	141	34	12	7	-	1	-
Renville	98	72	11	11	4	-	-	-
Richland	471	299	103	36	26	3	1	3
Rolette	218	142	34	26	8	5	3	-
Sargent	135	100	17	11	6	-	-	1
Sheridan	55	43	8	4	-	-	-	-
Sioux	34	25	5	2	1	1	-	-
Slope	19	10	4	3	1	1	-	-
Stark	933	541	202	94	70	21	4	1
Steele	79	57	15	5	1	1	-	-
Stutsman	660	379	141	73	45	15	5	2
Towner	132	91	26	10	2	2	1	-
Traill	308	198	69	28	9	-	3	1
Walsh	465	307	92	42	17	5	2	-
Ward	1533	822	361	180	118	34	15	3
Wells	217	152	36	21	7	-	-	1
Williams	989	568	212	114	72	16	6	1
Statewide	95	39	17	14	16	6	3	0

SOURCE: U.S. Department of Commerce, Bureau of the Census, County Business Patterns--North Dakota, 1984.

TABLE 5.05--Continued

County	Total Employment	Number of Proprietors	Farm Proprietors	Non-Farm Proprietors	Total Wage & Salary Employment	Farm	Non-Farm Private	Government
Mountrail	3,542	1,564	952	612	1,978	109	1,308	561
Nelson	2,594	1,121	702	419	1,473	129	1,003	341
Oliver	1,166	469	363	106	697	76	452	169
Pembina	5,244	1,623	895	728	3,621	323	2,583	715
Pierce	2,893	997	627	370	1,896	116	1,461	319
Ramsey	7,042	1,825	737	1,088	5,217	169	3,768	1,280
Ransom	2,963	1,133	597	536	1,830	89	1,330	411
Renville	1,649	781	510	271	868	76	563	229
Richland	9,539	2,782	1,386	1,396	6,757	284	4,812	1,661
Rolette	4,558	972	575	397	3,586	89	2,023	1,474
Sargent	2,812	1,157	647	510	1,655	111	1,230	314
Sheridan	1,141	716	523	193	425	55	204	166
Sioux	1,300	336	243	93	964	34	535	395
Slope	592	367	312	55	225	77	81	67
Stark	13,737	3,054	819	2,235	10,683	216	8,698	1,769
Steele	1,413	715	537	178	698	157	340	193
Stutsman	12,369	2,879	1,159	1,720	9,490	247	7,123	2,120
Towner	2,064	916	639	277	1,148	103	802	243
Traill	4,679	1,565	809	756	3,114	230	2,211	673
Walsh	8,126	2,302	1,157	1,145	5,824	386	3,107	2,331
Ward	32,507	4,876	1,317	3,559	27,631	200	16,890	10,541
Wells	3,207	1,263	800	463	1,944	133	1,432	379
Williams	15,164	2,938	1,025	1,913	12,226	123	10,530	1,573

SOURCE: U.S. Department of Commerce, Bureau of Economic Ananysis, Regional Economics Information System.

Note: Includes both full and part-time employment.

TABLE 5.06

NON-AGRICULTURAL EMPLOYMENT BY INDUSTRY BY NORTH DAKOTA COUNTY, 1984

County	Ag. Services Forestry & Other	Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insurance & Real Estate	Services	Federal Government	State & Local Government
Adams	(D)	(D)	95	36	74	380	67	(D)	47	148
Barnes	(D)	(D)	358	122	215	1,618	216	1,445	193	827
Benson	31	(D)	125	521	54	256	94	475	190	323
Billings	(D)	290	(D)	(L)	22	49	118	134	44	82
Bottineau	22	214	175	74	161	817	137	871	134	567
Bowman	16	190	112	43	60	561	106	400	50	209
Burke	17	178	54	13	121	325	69	157	85	190
Burleigh	243	269	1,960	1,286	2,292	8,419	1,719	10,146	1,268	5,374
Cass	(D)	(D)	3,320	4,068	3,386	17,045	4,199	17,141	2,524	6,666
Cavalier	(D)	(D)	131	(D)	150	688	176	602	115	286
Dickey	(D)	(D)	192	107	124	775	102	780	110	335
Divide	12	79	(D)	18	(D)	284	71	354	58	144
Dunn	17	133	133	12	64	321	43	130	66	238
Eddy	(D)	(D)	73	20	45	319	83	442	49	161
Emmons	(D)	(D)	105	39	43	405	69	370	71	280
Foster	16	(D)	110	33	129	383	113	491	60	209
Golden Valley	16	28	92	42	43	268	62	222	35	139
Grand Forks	169	46	1,644	1,341	1,631	8,571	1,253	8,145	7,264	6,054
Grant	13	13	52	11	52	247	57	296	59	169
Griggs	28	(L)	75	37	40	371	71	225	51	150
Hettinger	(D)	(D)	109	24	73	337	76	307	61	193
Kidder	(D)	(D)	56	21	84	263	47	187	58	169
LaMoure	(D)	(D)	120	47	102	568	131	273	113	294
Logan	(L)	(L)	59	13	24	315	35	157	49	141
McHenry	58	65	173	105	164	465	103	413	125	328
McIntosh	18	(L)	76	75	62	524	92	582	58	193
McKenzie	69	1,069	226	26	227	581	84	644	135	373
McLean	54	280	355	102	391	958	151	902	243	524
Mercer	17	631	2,600	30	1,501	942	152	1,105	130	523
Morton	106	37	672	876	847	2,289	323	2,697	297	1,172

TABLE 5.06--Continued

County	Ag. Services Forestry & Other	Mining	Construction	Manufacturing	Transportation & Public Utilities	Wholesale & Retail Trade	Finance, Insurance & Real Estate	Services	Federal Government	State & Local Government
Mountrail	25	37	143	98	103	738	102	674	210	351
Nelson	(D)	(D)	94	61	68	533	123	500	81	260
Oliver	(L)	(D)	89	(L)	(D)	75*	67	169	27	142
Pembina	(D)	(D)	256	515	202	1,077	145	970	231	484
Pierce	21	11	84	90	174	758	100	593	78	241
Ramsey	59	(L)	382	185	237	1,857	339	1,793	250	1,030
Ransom	31	(L)	135	122	153	652	114	656	77	334
Renville	15	105	49	15	55	259	71	265	49	180
Richland	(D)	(D)	512	1,716	313	1,695	254	1,596	278	1,383
Rolette	(D)	(D)	131	340	112	700	128	985	563	911
Sargent	19	(L)	142	665	107	448	82	274	79	235
Sheridan	(L)	(L)	47	(L)	15	175	52	91	51	115
Sioux	(L)	(L)	28	(D)	12	121	(D)	(D)	276	119
Slope	(L)	(D)	(D)	(L)	(L)	30*	(L)	41	(L)	51
Stark	70	1,023	828	603	845	3,295	534	3,735	340	1,429
Steele	(D)	(D)	61	39	56	200	62	103	62	131
Stutsman	89	24	537	1,058	662	2,896	570	3,007	342	1,778
Towner	17	(L)	80	146	81	345	75	334	58	185
Traill	(D)	(D)	233	304	163	976	192	991	109	564
Walsh	(D)	(D)	365	120	299	1,594	292	1,351	180	2,151
Ward	136	168	1,467	929	1,477	7,774	1,277	7,221	7,840	2,701
Wells	(D)	(D)	184	37	95	748	119	649	115	264
Williams	106	2,741	908	406	1,024	3,568	588	3,102	283	1,290

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

D Not shown to avoid disclosure of confidential information.

L Less than 10 wage & salary jobs.

* Retail trade only.

TABLE 5.07

NON-AGRICULTURAL EMPLOYMENT BY INDUSTRY IN NORTH DAKOTA'S LARGEST CITIES, 1980 AND MOST RECENT AVAILABLE YEAR

Industry	Bismarck		Devils Lake		Dickinson		Fargo	
	1980	1985	1980	1986	1980	1986	1980	1986
Total Non-Agriculture	24,470	28,261	3,980	4,363	8,910	8,305	43,070	49,186
Mining	160	144	----	----	780	320	----	----
Construction	1,700	1,194	180	169	700	310	2,600	2,797
Manufacturing	1,280	1,269	120	161	540	483	3,490	3,750
Trans./Util./Comm.	2,000	2,090	210	174	640	535	2,870	2,936
Wholesale Trade	1,370	1,710	290	326	530	443	4,850	5,024
Retail Trade	4,910	5,922	1,100	1,135	2,020	1,912	8,170	9,670
Fin./Ins./Real Est.	1,100	1,231	170	173	330	334	2,980	3,653
Services	6,606	8,037	960	1,164	1,910	2,187	10,170	13,449
Government	5,890	6,664	950	1,061	1,460	1,781	7,940	7,907

Industry	Grafton		Grand Forks		Jamestown		Mandan	
	1980	1985	1980	1985	1980	1986	1980	1985
Total Non-Agriculture	2,610	3,173	22,960	24,795	7,920	7,915	5,580	5,583
Mining	----	----	----	----	----	----	10	----
Construction	120	132	1,070	1,246	360	242	400	438
Manufacturing	90	74	1,120	1,303	960	868	710	716
Trans./Util./Comm.	130	128	1,850	1,399	550	498	740	658
Wholesale Trade	140	132	860	881	380	272	340	277
Retail Trade	550	564	5,560	6,290	1,660	1,663	1,150	1,137
Fin./Ins./Real Est.	130	152	970	936	380	348	140	154
Services	460	550	4,560	5,670	1,970	2,254	1,130	1,391
Government	970	1,441	6,970	7,070	1,660	1,770	960	812

TABLE 5.07--Continued

Industry	Minot		Valley City		Wahpeton		Williston	
	1980	1986	1980	1984	1980	1985	1980	1985
Total Non-Agriculture	17,050	18,686	3,310	3,289	4,460	4,884	8,360	8,813
Mining	70	115	----	----	----	----	1,210	1,240
Construction	820	679	270	183	200	196	500	359
Manufacturing	900	767	120	81	1,370	1,548	370	276
Trans./Util./Comm.	1,640	1,179	120	96	180	155	660	637
Wholesale Trade	1,360	1,404	240	235	190	147	790	810
Retail Trade	4,090	4,685	820	865	670	676	1,850	1,846
Fin./Ins./Real Est.	900	983	140	145	150	138	360	416
Services	3,950	4,905	790	803	540	674	1,790	2,134
Government	3,320	3,969	810	881	1,160	1,350	830	1,095

SOURCE: Job Service North Dakota, Research and Statistics, Form ESB-RA-49A, North Dakota Labor Market Advisor.

TABLE 5.09

EMPLOYMENT OF BUSINESS ESTABLISHMENTS BY NORTH DAKOTA COUNTY, 1970, 1980, AND 1984

County	1970 Employment (Mid-March)	1980 Employment (Mid-March)	1984 Employment (Mid-March)
NORTH DAKOTA	105,678	174,526	179,605
Adams	635	795	847
Barnes	2,232	3,271	2,886
Benson	450	795	935
Billings	50	79	125
Bottineau	1,047	1,460	1,554
Bowman	892	1,294	971
Burke	433	376	388
Burleigh	10,373	22,063	22,631
Cass	23,693	40,011	41,679
Cavalier	572	1,193	984
Dickey	949	1,564	1,379
Divide	394	482	559
Dunn	163	477	481
Eddy	453	566	599
Emmons	559	639	660
Foster	749	1,050	1,001
Golden Valley	312	430	457
Grand Forks	11,704	17,368	18,111
Grant	287	380	406
Griggs	520	588	506
Hettinger	485	657	601
Kidder	214	294	296
LaMoure	604	768	656
Logan	314	572	440
McHenry	566	678	732
McIntosh	577	808	781
McKenzie	581	1,072	1,183
McLean	1,014	1,638	1,783
Mercer	816	1,930	3,457
Morton	2,892	5,215	5,871

TABLE 5.09--Continued

County	1970 Employment (Mid-March)	1980 Employment (Mid-March)	1984 Employment (Mid-March)
Mountrail	764	1,424	1,313
Nelson	562	888	835
Oliver	210	*	**
Pembina	1,566	2,394	2,320
Pierce	858	1,375	1,322
Ramsey	2,307	3,283	3,479
Ransom	683	1,007	964
Renville	321	554	442
Richland	1,962	4,646	4,134
Rolette	1,220	1,464	1,913
Sargent	874	**	1,285
Sheridan	200	278	169
Sioux	335	128	186
Slope	14	14	*
Stark	3,407	7,471	8,212
Steele	226	344	370
Stutsman	4,421	6,780	6,168
Towner	474	665	778
Traill	1,072	2,194	2,071
Walsh	2,106	2,977	2,743
Ward	10,403	15,541	16,207
Wells	832	1,202	1,263
Williams	4,433	7,559	8,255
Statewide	1,898	2,102	1,753

SOURCE: U.S. Department of Commerce, Bureau of the Census, County Business Patterns--North Dakota, various years.

* 100 - 249 employees.

** 250 - 499 employees.

TABLE 5.10

ANNUAL TAXABLE PAYROLLS OF BUSINESS ESTABLISHMENTS BY NORTH DAKOTA COUNTY, 1970, 1975, 1980, AND 1984 (THOUSANDS)

County	1970	1975	1980	1984
NORTH DAKOTA	$130,578	$1,048,904	$2,017,239	$2,608,334
Adams	722	5,453	9,092	10,397
Barnes	2,310	16,737	29,533	31,907
Benson	396	5,174	7,858	12,978
Billings	50	95	1,079	3,014
Bottineau	1,077	9,184	14,436	17,623
Bowman	783	6,278	12,483	10,154
Burke	580	2,968	4,392	5,275
Burleigh	13,414	139,946	264,930	341,996
Cass	35,711	284,546	509,901	676,228
Cavalier	601	12,605	12,928	11,199
Dickey	863	6,841	13,066	14,948
Divide	385	2,447	3,839	5,814
Dunn	133	890	6,846	6,507
Eddy	387	3,341	5,164	5,915
Emmons	502	3,073	5,726	7,375
Foster	691	6,191	9,530	11,965
Golden Valley	269	2,127	3,646	5,257
Grand Forks	14,327	109,672	193,083	250,213
Grant	264	1,596	2,942	3,828
Griggs	572	4,416	5,197	5,859
Hettinger	463	3,197	5,490	5,907
Kidder	209	1,663	2,222	2,697
LaMoure	586	4,131	6,456	6,798
Logan	241	1,637	4,264	3,228
McHenry	650	4,974	7,241	9,300
McIntosh	481	3,501	5,497	7,093
McKenzie	620	5,048	13,722	17,553
McLean	952	6,933	18,317	28,434
Mercer	1,123	10,809	30,392	80,182
Morton	3,572	28,031	56,762	77,547

TABLE 5.10--Continued

County	1970	1975	1980	1984
Mountrail	$627	$6,565	$12,047	$14,274
Nelson	474	5,701	7,841	9,314
Oliver	511	1,129	D	D
Pembina	1,825	14,944	23,719	30,475
Pierce	864	7,356	12,854	14,427
Ramsey	2,341	18,348	30,377	38,542
Ransom	570	4,952	7,806	8,820
Renville	320	2,437	6,847	5,455
Richland	2,083	23,143	45,265	60,115
Rolette	1,167	10,043	13,970	22,767
Sargent	1,439	11,966	D	26,422
Sheridan	153	1,495	2,253	1,819
Sioux	275	1,329	1,132	2,171
Slope	6	D	97	D
Stark	3,585	30,388	85,163	110,887
Steele	264	2,488	3,897	4,707
Stutsman	4,970	38,471	71,365	83,206
Towner	504	3,465	6,320	9,717
Traill	969	9,924	18,605	22,044
Walsh	2,214	18,308	26,919	30,836
Ward	12,990	94,653	172,284	218,098
Wells	749	5,726	10,370	12,618
Williams	5,846	40,082	101,542	136,292
Statewide	3,890	2,465	66,564	56,576

SOURCE: U.S. Department of Commerce, Bureau of the Census, County Business Patterns--North Dakota, various years.

D. Not shown to avoid disclosure of confidential information.

TABLE 5.11

NORTH DAKOTA TAXABLE PAYROLLS BY INDUSTRY, 1973-1984
(Thousands of Dollars)

Industry	1973	1975	1979	1980
Total	$772,663	$1,051,304	$1,810,847	$2,017,239
Ag. Services, Forestry & Other	1,790	2,699	5,166	5,189
Mining	18,390	22,445	78,845	137,722
Construction	95,166	121,307	227,936	216,412
Manufacturing	88,152	131,337	212,105	222,266
Transportation & Public Utilities	63,974	101,876	186,081	214,523
Wholesale Trade	126,028	167,323	266,266	293,030
Retail Trade	157,045	208,633	320,455	339,103
Finance, Insurance & Real Estate	53,387	72,061	128,239	141,800
Services	154,983	214,540	374,033	435,874

Industry	1981	1982	1983	1984
Total	$2,262,368	$2,380,986	$2,432,637	$2,608,333
Ag. Services, Forestry & Other	6,054	6,641	6,743	7,690
Mining	182,109	189,218	169,455	199,627
Construction	208,810	209,835	197,615	201,655
Manufacturing	241,996	245,309	251,520	276,534
Transportation & Public Utilities	243,936	264,581	262,567	268,390
Wholesale Trade	319,717	319,994	309,499	324,411
Retail Trade	357,255	386,088	396,806	410,925
Finance, Insurance & Real Estate	162,116	179,134	190,708	204,604
Services	520,371	576,054	638,029	694,021

SOURCE: U.S. Department of Commerce, Bureau of the Census, County Business Patterns--North Dakota, various years.

TABLE 5.12

TAXABLE PAYROLL BY INDUSTRY BY NORTH DAKOTA COUNTY, 1984
(Thousands of Dollars)

County	Ag. Services Forestry, etc.	Mining	Construction	Manufacturing	Trans. & Public Utilities
Adams	$ D	$ ---	$ 228	$ 408	$ 554
Barnes	D	---	4,165	1,068	3,389
Benson	D	---	173	D	288
Billings	---	D	1,329	---	D
Bottineau	124	1,249	820	1,284	2,123
Bowman	D	1,267	1,030	422	163
Burke	D	986	524	D	1,240
Burleigh	687	10,120	25,479	22,817	56,173
Cass	D	D	67,908	70,270	59,817
Cavalier	D	---	773	141	1,356
Dickey	D	---	556	1,486	1,631
Divide	D	D	D	D	136
Dunn	D	D	1,126	D	D
Eddy	D	D	159	D	344
Emmons	D	---	1,201	634	D
Foster	D	---	399	531	1,771
Golden Valley	D	---	232	D	232
Grand Forks	398	1,466	18,942	17,366	28,635
Grant	D	---	97	D	92
Griggs	D	---	154	544	D
Hettinger	---	---	665	208	660
Kidder	D	---	41	D	D
LaMoure	D	---	253	D	895
Logan	D	---	168	D	63
McHenry	D	D	1,745	1,133	D
McIntosh	D	---	D	D	397
McKenzie	D	3,545	2,183	D	3,654
McLean	147	D	D	1,041	1,592
Mercer	43	46,958	2,195	302	15,379
Morton	D	213	8,228	18,382	10,149
Mountrail	D	1,133	773	D	1,693
Nelson	D	---	1,335	D	442
Oliver	---	D	D	D	118
Pembina	297	---	2,169	D	2,262
Pierce	D	--	310	960	1,611

TABLE 5.12--Continued

County	Ag. Services Forestry, etc.	Mining	Construction	Manufacturing	Trans. & Public Utilities
Ramsey	$115	$ ---	$2,337	$1,970	$2,521
Ransom	D	---	489	D	675
Renville	---	1,076	356	D	355
Richland	D	---	4,055	30,884	1,986
Rolette	D	---	937	4,481	1,012
Sargent	D	D	474	D	977
Sheridan	D	---	D	D	D
Sioux	---	---	D	D	98
Slope	D	D	D	---	D
Stark	191	15,524	8,267	9,148	11,672
Steele	---	---	D	453	773
Stutsman	289	D	3,171	18,907	5,958
Towner	D	---	D	2,622	D
Traill	D	D	533	5,536	1,145
Walsh	634	D	2,325	1,603	3,116
Ward	843	5,643	19,580	15,049	18,925
Wells	D	611	983	326	280
Williams	350	23,137	9,950	4,990	15,103

County	Wholesale Trade	Retail Trade	Finance, Ins. & Real Estate	Services	Total
Adams	$1,627	$2,006	$735	$4,503	$10,397
Barnes	5,823	6,858	2,375	7,895	31,907
Benson	1,603	633	D	611	12,978
Billings	---	149	---	D	3,014
Bottineau	2,190	3,849	1,394	4,163	17,623
Bowman	1,224	2,012	1,122	2,579	10,154
Burke	705	815	470	231	5,275
Burleigh	30,390	49,712	23,626	119,953	341,996
Cass	115,094	88,870	75,127	192,014	676,228
Cavalier	2,036	2,397	1,473	2,934	11,199
Dickey	2,930	2,137	1,050	4,690	14,948
Divide	904	1,164	808	1,616	5,814
Dunn	945	921	487	242	6,507
Eddy	1,022	1,116	927	2,094	5,915
Emmons	1,101	1,313	808	1,723	7,375

TABLE 5.12--Continued

County	Wholesale Trade	Retail Trade	Finance, Ins. & Real Estate	Services	Total
Foster	$2,225	$2,390	$1,396	$3,172	$11,965
Golden Valley	1,232	1,183	704	1,204	5,257
Grand Forks	21,493	55,688	15,676	80,986	250,213
Grant	409	931	704	1,459	3,828
Griggs	1,566	837	961	1,365	5,859
Hettinger	1,144	1,116	785	1,287	5,907
Kidder	470	247	D	494	2,697
LaMoure	2,100	1,144	1,285	774	6,798
Logan	1,260	549	616	453	3,228
McHenry	816	1,340	821	D	9,300
McIntosh	1,045	1,172	791	2,686	7,093
McKenzie	1,832	2,102	991	1,890	17,553
McLean	2,961	3,203	1,463	4,386	28,434
Mercer	1,732	4,906	1,796	6,488	80,182
Morton	6,507	12,862	3,811	16,650	77,547
Mountrail	1,275	2,730	1,180	5,079	14,274
Nelson	1,555	2,009	1,335	1,998	9,314
Oliver	D	203	D	77	D
Pembina	3,663	3,980	D	6,301	30,475
Pierce	1,537	3,031	1,215	5,623	14,427
Ramsey	5,318	10,779	3,052	12,046	38,542
Ransom	1,461	1,925	1,084	2,799	8,820
Renville	769	881	463	1,418	5,455
Richland	5,673	7,460	3,280	6,198	60,115
Rolette	1,650	3,014	1,754	9,192	22,767
Sargent	1,951	664	535	672	26,422
Sheridan	436	231	D	129	1,819
Sioux	147	281	D	D	2,171
Slope	D	69	D	D	D
Stark	9,728	20,403	6,333	20,448	110,887
Steele	1,132	665	774	639	4,707
Stutsman	6,477	16,368	7,149	21,449	83,206
Towner	1,655	1,132	829	1,889	9,717
Traill	3,980	3,321	2,066	4,890	22,044
Walsh	6,249	6,488	3,773	6,316	30,836
Ward	29,503	49,023	14,761	63,209	218,098
Wells	3,183	2,654	1,000	3,329	12,618
Williams	21,394	19,987	7,186	32,970	136,292

SOURCE: U.S. Department of Commerce, Bureau of the Census, County Business Patterns--North Dakota, 1984.

D Not shown to avoid disclosure of confidential information.

TABLE 5.14

AVERAGE WEEKLY HOURS AND EARNINGS IN NORTH DAKOTA MANUFACTURING ESTABLISHMENTS, 1970-1985

Year	Average Weekly Hours	Average Weekly Earnings	Average Hourly Rate
1970	40.8	$119.54	$2.93
1971	40.7	129.02	3.17
1972	40.1	133.13	3.32
1973	40.4	143.02	3.54
1974	40.1	153.58	3.83
1975	39.6	171.07	4.32
1976	39.3	189.03	4.81
1977	38.6	200.33	5.19
1978	39.7	220.34	5.55
1979	39.1	233.82	5.98
1980	37.5	246.00	6.56
1981	38.1	271.27	7.12
1982	37.6	282.00	7.50
1983	38.0	294.12	7.74
1984	38.4	301.82	7.86
1985	38.6	311.12	8.06

SOURCE: Job Service North Dakota, Annual Report, various years.

Note: Data relates to full and part-time manufacturing production workers. The average earnings are "gross," i.e., they reflect not only changes in basic hourly and incentive wage rates, but also such factors as premium pay for overtime work and shift differentials. The work week information relates to average hours worked or paid for and is somewhat different from scheduled hours because of such factors as absenteeism, labor turnover, part-time work and stoppages.

TABLE 5.15

HOURLY FARM WAGES IN NORTH DAKOTA, 1950-1986

Year	Cash Wages Per Hour	Year	Cash Wages Per Hour
1950	$0.92	1970	$1.60
1951	1.01	1971	1.70
1952	1.00	1972	1.81
1953	1.01	1973	1.94
1954	1.00	1974	2.34
1955	0.99	1975	2.79
1956	1.02	1976	3.29
1957	1.05	1977	3.34
1958	1.04	1978	3.85
1959	1.05	1979	4.00
1960	1.06	1980	3.87
1961	1.04	1981*	3.59
1962	1.09	1982	3.89
1963	1.11	1983	4.12
1964	1.13	1984	4.18
1965	1.18	1985	4.44
1966	1.24	1986	4.55
1967	1.32		
1968	1.40		
1969	1.50		

SOURCE: North Dakota Crop and Livestock Reporting Service, U. S. Department of Agriculture Statistical Reporting Service, North Dakota Agricultural Statistics, various years.

* Beginning in 1981, estimate by state was discontinued, and replaced by regional estimates. North Dakota is included in the Northern Plains region, with Kansas, Nebraska, and South Dakota.

TABLE 5.16

ANNUAL AVERAGE UNEMPLOYMENT RATES BY NORTH DAKOTA COUNTY, BY REGION, 1975-1985

	1975	1980	1981	1982	1983	1984	1985
NORTH DAKOTA	5.2%	5.0%	5.0%	5.3%	5.6%	5.1%	5.9%
Divide	4.8	2.2	2.5	3.3	3.6	3.4	3.7
McKenzie	4.1	3.0	3.4	4.6	6.4	3.4	4.6
Williams	4.6	2.4	2.4	5.5	8.3	3.8	6.6
Region 1 Total	4.5	2.5	2.6	5.2	7.5	3.7	6.0
Bottineau	4.3	4.5	3.7	5.5	5.0	4.9	7.0
Burke	5.3	3.2	3.1	5.4	5.8	5.0	6.4
McHenry	8.1	8.9	8.1	9.7	8.9	10.7	13.0
Mountrail	5.7	4.1	5.2	6.4	7.2	7.1	7.8
Pierce	4.2	3.9	3.4	4.0	4.8	4.0	5.3
Renville	4.4	2.9	3.0	4.6	5.3	4.7	6.2
Ward	4.4	5.1	5.3	5.6	6.0	5.5	6.8
Region 2 Total	4.8	5.0	5.0	5.9	6.2	5.8	7.3
Benson	8.3	7.7	7.1	8.0	10.4	9.3	8.9
Cavalier	5.9	4.2	4.1	5.5	5.8	5.3	6.4
Eddy	7.8	7.7	7.7	7.7	7.8	7.9	9.6
Ramsey	4.2	4.2	4.3	4.9	5.2	5.0	6.0
Rolette	10.2	11.6	11.0	10.3	12.2	12.0	12.8
Towner	3.0	2.6	2.3	2.9	3.2	3.0	4.2
Region 3 Total	6.5	6.5	6.2	6.7	7.6	7.3	8.3
Grand Forks	5.6	5.2	5.3	4.9	4.8	4.1	3.7
Nelson	5.2	4.6	3.9	5.2	6.3	6.0	7.1
Pembina	5.9	6.6	6.0	6.7	7.6	7.3	7.4
Walsh	6.2	4.8	4.4	4.9	5.5	4.9	5.6
Region 4 Total	5.7	5.3	5.1	5.2	5.4	4.8	4.6
Cass	4.3	4.0	4.2	4.5	3.9	3.1	3.6
Ransom	3.4	4.5	4.0	5.3	4.5	3.9	4.1
Richland	4.3	6.0	5.4	4.6	4.5	3.7	6.1
Sargent	4.1	7.6	5.5	6.5	6.8	4.4	4.5
Steele	3.7	3.8	2.4	3.1	3.4	3.2	4.4
Traill	3.5	4.4	4.0	3.5	3.7	3.4	4.5
Region 5 Total	4.2	4.5	4.4	4.5	4.1	3.3	4.0
Barnes	3.9	4.5	4.9	4.5	5.2	5.5	6.2
Dickey	3.5	3.2	2.8	3.6	3.6	3.0	3.9
Foster	5.3	4.2	3.9	3.8	4.8	4.9	5.0
Griggs	3.8	2.9	3.3	4.4	3.8	3.6	5.2
LaMoure	5.0	3.5	3.6	3.2	3.7	3.7	4.8
Logan	6.9	5.0	4.6	4.4	3.7	3.6	4.9
McIntosh	6.2	4.2	3.7	3.7	3.7	2.7	3.0
Stutsman	4.3	5.1	5.0	4.9	5.3	5.1	5.5
Wells	5.0	4.5	4.8	5.4	5.6	5.9	7.2
Region 6 Total	4.6	4.4	4.4	4.4	4.7	4.6	5.3

TABLE 5.13

HOURS AND EARNINGS IN MANUFACTURING: NORTH DAKOTA AND SELECTED STATES, 1970, 1980, AND 1986

State	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	1970	1980	1986	1970	1980	1986	1970	1980	1986
NORTH DAKOTA	$119.25	$246.00	$312.48	40.7	37.5	38.2	$2.93	$6.56	$8.18
South Dakota	132.91	265.85	324.24	44.6	40.9	42.0	2.98	6.50	7.72
Nebraska	134.79	299.63	374.10	42.0	40.6	40.4	3.21	7.38	9.26
Montana	148.00	379.30	431.43	40.0	43.2	39.4	3.70	8.78	10.95
Wyoming	130.03	272.69	378.30	38.7	38.9	39.0	3.36	7.01	9.70
Minnesota	141.30	299.83	414.12	40.0	39.4	40.6	3.54	7.61	10.20

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *Employment and Earnings*, May 1973, May 1982, May 1985 and May 1987.

TABLE 5.16--Continued

	1975	1980	1981	1982	1983	1984	1985
Burleigh	5.1%	5.3%	5.8%	5.5%	5.8%	6.2%	6.9%
Emmons	9.8	6.7	6.4	6.7	7.1	8.0	6.7
Grant	5.9	4.9	4.8	5.2	5.0	5.1	5.4
Kidder	6.9	7.8	7.7	8.2	8.3	8.5	8.7
McLean	6.9	6.3	7.5	6.7	6.6	9.5	9.6
Mercer	5.6	5.6	6.1	5.4	3.2	7.5	9.8
Morton	7.1	8.0	6.9	5.8	6.5	7.5	7.8
Oliver	5.6	7.4	5.9	5.3	5.3	6.7	8.7
Sheridan	6.4	5.8	4.8	5.2	3.4	3.6	5.0
Sioux	8.5	10.3	11.7	10.0	9.7	8.1	9.6
Region 7 Total	6.1	6.2	6.4	5.9	5.7	7.0	7.6
Adams	3.9	2.0	1.9	3.6	4.2	2.3	2.8
Billings	7.3	2.2	2.2	2.3	3.1	2.2	2.9
Bowman	3.2	2.2	2.4	4.6	5.2	2.8	4.6
Dunn	9.5	5.1	4.8	6.3	9.2	8.3	8.5
Golden Valley	4.7	3.0	2.8	4.8	6.1	4.8	6.0
Hettinger	5.0	3.3	3.5	4.3	5.5	4.3	4.7
Slope	5.5	3.1	3.1	5.1	5.8	4.5	7.4
Stark	4.7	4.2	4.4	6.5	9.3	6.1	7.7
Region 8 Total	5.1	3.6	3.7	5.6	7.7	5.3	6.6

SOURCE: Data Supplied by Job Service North Dakota, (not Current Population Survey adjusted).

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 5.17

AGE AND SEX OF THE INSURED UNEMPLOYED IN NORTH DAKOTA, 1986

Age	Average Total Unemployed No.	%	Men No.	%	Women No.	%	Sex Not Reported
All Ages	6,593	100.0%	5,248	100.0%	1,244	100.0%	101
Total Under 45	5,100	77.4	4,197	80.0	903	72.6	0
Under 25	1,095	16.6	920	17.6	175	14.1	0
25-34	2,653	40.3	2,211	42.1	442	35.5	0
35-44	1,352	20.5	1,066	20.3	286	23.0	0
Total 45 & Over	1,391	21.1	1,050	20.0	341	27.4	0
45-54	807	12.2	599	11.4	208	16.7	0
55-64	522	7.9	406	7.7	116	9.3	0
65 & Over	62	1.0	45	0.9	17	1.4	0
Age not Reported	102	1.5	1	0.0	0	0.0	101

SOURCE: Job Service North Dakota, Research and Statistics Section, unpublished data.

Note: Details may not add to totals due to rounding.

TABLE 5.19

WORK STOPPAGES IN NORTH DAKOTA, 1960-1981

Year	Number of Work Stoppages	Number of Workers Involved	Number of Man-days Idle	Percentage Work Time Lost
1960	3	870	4,540	*
1961	4	160	3,780	0.02
1962	7	1,060	17,500	0.07
1963	3	70	860	*
1964	10	1,280	7,670	0.03
1965	15	930	8,990	0.03
1966	8	460	3,090	0.01
1967	6	4,110	6,560	0.02
1968	10	2,500	33,200	0.12
1969	7	600	8,900	0.01
1970	12	3,000	17,200	0.06
1971	12	6,600	25,500	0.09
1972	11	500	12,400	0.04
1973	13	700	10,000	0.02
1974	7	800	4,700	0.01
1975	10	1,500	37,700	0.08
1976	10	700	14,400	0.03
1977	5	800	11,000	0.02
1978	5	3,200	17,400	0.03
1979	3	800	7,500	0.01
1980	3	300	15,300	0.02
1981	6	4,600	34,900	0.06

SOURCE: U.S. Dept. of Labor, Bureau of Labor Statistics, Handbook of Labor Statistics, 1974, 1977, 1978, and 1983.

* Less than .005.

TABLE 5.21

UNION MEMBERSHIP--TOTAL AND PERCENT OF NON-AGRICULTURAL EMPLOYMENT, UNITED STATES AND NORTH DAKOTA, SELECTED YEARS, 1970-1982

Year	United States		North Dakota	
	Total (thousands)	Percent of Employment	Total (thousands)	Percent of Employment
1970	21,852	30.8%	35	21.5%
1975	23,307	28.9	39	19.4
1980	20,968	23.2	39	15.7
1982	19,571	21.9	36	14.2

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1982-83, and 1987.

TABLE 5.18

INDUSTRY ATTACHMENT OF NORTH DAKOTA INSURED UNEMPLOYED BY SEX AND DURATION OF UNEMPLOYMENT, 1986

Industry	Average Total Unemployed		Men	Women	Sex Not Reported	Number by Weeks of Current Unemployment			
	Number	%				1	2-4	5-14	15 & Over
All Industries	6,593	100.0%	5,248	1,244	101	616	1,822	3,882	273
Agriculture	199	3.0	169	28	2	20	61	116	2
Mining	947	14.4	886	45	16	80	219	580	68
Contract Construction	1,876	28.4	1,778	66	32	183	533	1,101	59
Manufacturing	699	10.6	541	145	13	69	200	409	21
Public Utilities	375	5.7	292	77	6	35	102	219	19
Wholesale & Retail Trade	1,134	17.2	788	332	14	103	322	661	48
Finance, Insurance, & Real Estate	105	1.6	38	65	2	9	29	61	6
Service	625	9.5	300	316	9	65	172	362	26
All Others	393	6.0	251	137	5	39	120	223	11
Not Reported	240	3.6	205	33	2	13	64	150	13

SOURCE: Job Service North Dakota, Research and Statistics Section, unpublished data.

Note: Details may not add to totals due to rounding.

TABLE 5.20

DISTRIBUTION OF MEMBERSHIP OF NATIONAL UNIONS AND EMPLOYEE ASSOCIATIONS BY STATE AND AFFILIATION, 1978 (In Thousands)

State	Total Union & Assn. Membership	Unions[1]				Associations			Total Union & Assn. Membership as a % of Employees in Non-agricultural Establishments	
				Unaffiliated						
		Total	AFL-CIO	National	Local Unions[2]	Total	Professional & State Employee Assn.	Municipal Assn.	Percent	Rank
All States	23,306	20,459	15,618	4,509	332	2,848	2,613	235	26.8	---
Alabama[3]	329	257	216	41	*	72	72	*	24.6	25
Alaska	53	43	28	14	1	11	11	---	32.3	9
Arizona[3]	159	122	100	21	*	37	36	1	18.0	36
Arkansas[3]	128	109	93	16	*	19	19	---	17.6	37
California	2,659	2,184	1,737	427	20	475	362	113	28.8	16
Colorado	205	172	144	28	*	33	32	1	18.1	35
Connecticut	356	296	215	68	14	60	58	2	26.4	21
Delaware	59	52	33	15	4	8	8	---	23.9	26
Florida[3]	415	367	333	34	*	47	44	3	13.2	48
Georgia[3]	314	271	221	49	*	43	43	*	15.8	42
Hawaii	134	120	94	27	*	14	14	---	35.9	6
Idaho	63	47	36	12	---	16	16	*	19.1	34
Illinois	1,590	1,497	1,083	382	32	94	93	*	33.4	8
Indiana	700	643	429	210	5	57	57	---	32.0	10
Iowa[3]	250	212	140	70	1	39	38	1	22.6	28
Kansas[3]	144	117	94	22	2	27	27	---	15.8	41
Kentucky	311	274	178	92	3	38	38	---	25.4	22
Louisiana[3]	240	227	196	27	5	13	13	---	17.0	39
Maine	100	74	67	7	1	25	24	1	24.7	24
Maryland-Dist. of Columbia	546	458	366	76	15	88	83	5	25.0	23

TABLE 5.20--Continued

State	Total Union & Assn. Membership	Unions[1]				Associations			Total Union & Assn. Membership as a % of Employees in Non-agricultural Establishments	
		Total	AFL-CIO	Unaffiliated		Total	Professional & State Employee Assn.	Municipal Assn.	Percent	Rank
				National	Local Unions[2]					
Massachusetts	692	611	501	101	9	81	79	2	27.7	17
Michigan	1,362	1,223	586	624	13	139	132	7	38.5	3
Minnesota	464	411	323	86	2	53	53	*	27.6	18
Mississippi[3]	122	103	95	8	*	18	18	---	15.0	44
Missouri	598	578	420	153	4	20	20	---	31.0	11
Montana	83	67	58	9	*	16	16	*	29.9	14
Nebraska[3]	116	92	79	13	*	24	24	---	19.3	33
Nevada[3]	95	80	67	13	*	15	15	*	27.2	20
New Hampshire	61	48	40	6	1	13	13	*	16.8	40
New Jersey	810	683	511	154	17	127	116	11	27.3	19
New Mexico	66	54	46	8	*	12	12	---	14.8	45
New York	2,877	2,753	2,371	345	37	123	49	74	41.0	I
North Carolina[3]	242	147	117	28	1	95	95	---	10.7	49
NORTH DAKOTA	45	34	26	8	---	11	11	---	19.4	32
Ohio	1,472	1,294	935	337	23	178	177	1	33.6	7
Oklahoma	177	138	115	23	1	39	39	---	17.2	38
Oregon	296	232	181	49	3	64	63	1	29.4	15
Pennsylvania	1,741	1,595	1,209	331	55	146	145	*	37.3	4
Rhode Island	119	108	95	12	1	11	11	*	29.9	13
South Carolina[3]	101	76	65	11	---	25	25	---	8.9	50
South Dakota[3]	34	24	20	5	---	9	9	---	14.6	46
Tennessee[3]	358	303	248	52	3	55	54	1	21.0	29
Texas[3]	698	575	484	80	11	124	122	2	13.3	47
Utah[3]	103	68	54	14	*	35	34	1	19.6	31
Vermont	43	33	22	11	*	10	10	---	22.7	27

TABLE 5.20--Continued

State	Total Union & Assn. Membership	Unions[1]				Associations			Total Union & Assn. Membership as a % of Employees in Non-agricultural Establishments	
		Total	AFL-CIO	Unaffiliated		Total	Professional & State Employee Assn.	Municipal Assn.	Percent	Rank
				National	Local Unions[2]					
Virginia	311	258	172	65	21	53	53	*	15.3	43
Washington	547	496	398	85	13	51	50	1	36.5	5
West Virginia	248	226	120	96	10	23	23	---	40.4	2
Wisconsin	573	522	413	104	5	51	47	4	30.5	12
Wyoming[3]	37	28	24	4	*	10	9	*	19.6	30
Membership not classifiable[4]	61	60	21	39	---	1	*	1	---	---

SOURCE: U.S. Dept. of Labor, Bureau of Labor Statistics, Directory of National Unions and Employee Associations, 1979.

[1] Based on reports from 125 national unions and estimates for 49, and on reports from 34 employee associations. Also included are local unions directly affiliated with the AFL-CIO and members in single-firm and local unaffiliated unions.

[2] Membership of single-firm and local unaffiliated unions derived from a 1977 survey by the Bureau of Labor Statistics.

[3] Has right-to-work law.

[4] Includes local unions directly affiliated with the AFL-CIO.

* Less than 500 members.

Note: Because of rounding, sums of individual items may not equal totals. Dashes indicate no data in category.

6.00

TRANSPORTATION

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TABLE 6.02

MILEAGE OF THE NORTH DAKOTA STATE HIGHWAY SYSTEM BY TYPE OF SURFACE, SELECTED YEARS, 1955-1984

Year	Surface Types			Unsurfaced Mileage	Total Mileage
	Bituminous	P.C. Concrete	Gravel		
1955	2,815	163	3,321	194	6,493
1960	4,617	310	1,334	2	6,263
1965	5,419	466	645	---	6,529
1969	5,871	556	319	---	6,746
1970	5,880	590	327	---	6,797
1971	5,995	614	251	---	6,860
1972	6,019	628	259	---	6,906
1973	6,046	625	260	4	6,935
1974	6,158	631	185	4	6,978
1975	6,194	656	139	4	6,993
1976	6,272	682	93	---	7,047
1977	6,331	649*	90	---	7,070
1978	6,406	637*	73	5	7,121
1979	6,472	671*	2	3	7,147
1980	6,480	670*	2	13	7,167
1981	6,484	670	63	3	7,220
1982	6,466	689	65	4	7,224
1983	6,493	697	32	15	7,237
1984	6,532	691	59	5	7,287

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

* Change in classifying mileage of 4 lane highways which have traffic lanes of two different surface types.

TABLE 6.03

MILEAGE OF THE NORTH DAKOTA STATE HIGHWAY SYSTEM BY COUNTY, DECEMBER 31, 1986

County	Interstate	Primary	Secondary	Urban	State System Only	Total Highway Mileage
Adams	0.0	63.9	11.9	0.0	0.0	75.8
Barnes	36.3	125.9	38.9	0.0	0.0	201.1
Benson	0.0	172.0	2.5	0.0	0.3	174.9
Billings	19.2	28.5	0.0	0.0	0.8	48.5
Bottineau	0.0	133.8	37.3	0.0	2.2	173.3
Bowman	0.0	69.7	9.7	0.0	0.0	79.4
Burke	0.0	80.1	45.3	0.0	1.3	126.7
Burleigh	36.5	111.2	42.7	12.4	2.8	205.6
Cass	88.7	105.6	26.6	2.4	0.0	223.4
Cavalier	0.0	111.6	36.8	0.0	0.0	148.4
Dickey	0.0	103.0	18.3	0.0	1.0	122.3
Divide	0.0	84.6	25.5	0.0	0.0	110.1
Dunn	0.0	124.1	22.4	0.0	0.0	146.4
Eddy	0.0	77.4	0.0	0.0	0.0	77.4
Emmons	0.0	96.9	44.0	0.0	0.0	140.9
Foster	0.0	73.5	0.0	0.0	0.0	73.5
Golden Valley	21.2	0.0	48.7	0.0	0.0	69.9
Grand Forks	37.7	147.6	1.7	4.9	2.8	194.7
Grant	0.0	109.4	0.0	0.0	0.0	109.4
Griggs	0.0	73.7	9.4	0.0	0.0	83.1
Hettinger	0.0	99.2	0.0	0.0	0.0	99.2
Kidder	30.2	80.8	0.0	0.0	0.0	110.9
LaMoure	0.0	101.2	2.0	0.0	0.0	103.2
Logan	0.0	82.5	33.9	0.0	0.8	117.2
McHenry	0.0	163.6	9.3	0.0	0.2	173.1
McIntosh	0.0	104.8	0.0	0.0	0.0	104.8
McKenzie	0.0	193.7	83.0	0.0	1.5	278.3
McLean	0.0	196.7	88.9	0.0	1.9	287.5
Mercer	0.0	87.7	39.7	0.0	5.2	132.6
Morton	62.5	131.8	15.1	4.4	3.0	216.8
Mountrail	0.0	155.4	17.8	0.0	0.0	173.2
Nelson	0.0	117.0	12.2	0.0	0.0	129.2
Oliver	0.0	57.7	9.1	0.0	0.0	66.8
Pembina	32.6	134.0	25.3	0.0	3.4	195.3
Pierce	0.0	100.1	23.6	0.0	0.0	123.8

TABLE 6.03--Continued

County	Inter-state	Primary	Secondary	Urban	State System Only	Total Highway Mileage
Ramsey	0.0	147.4	0.0	0.0	0.0	147.4
Ransom	0.0	60.5	0.0	0.0	0.0	60.5
Renville	0.0	51.4	21.6	0.0	0.0	73.0
Richland	48.2	148.2	0.0	0.0	0.0	198.0
Rolette	0.0	73.4	46.8	0.0	3.5	123.7
Sargent	0.0	97.6	0.0	0.0	0.0	97.6
Sheridan	0.0	75.1	4.0	0.0	0.0	79.1
Sioux	0.0	56.7	44.2	0.0	0.0	100.9
Slope	0.0	53.9	17.8	0.0	0.0	71.7
Stark	54.9	81.0	0.0	0.0	0.0	135.9
Steele	0.0	61.9	9.7	0.0	0.0	71.7
Stutsman	48.1	178.7	30.8	0.0	0.0	257.6
Towner	0.0	92.5	21.9	0.0	0.0	114.4
Traill	30.9	62.0	18.9	0.0	0.0	114.4
Walsh	24.2	128.5	19.0	0.0	0.0	111.8
Ward	0.0	193.3	39.9	0.0	0.3	233.5
Wells	0.0	142.2	13.0	0.0	0.5	155.7
Williams	0.0	133.5	95.1	2.3	0.0	230.9
NORTH DAKOTA	571.1	5536.7	1164.3	27.2	32.4	7331.7

SOURCE: Unpublished data, North Dakota State Highway Dept., 1986.

TABLE 6.01

MILEAGE OF NORTH DAKOTA ROADS AND STREETS BY ADMINISTRATIVE SYSTEM, SELECTED YEARS, 1965-1986

System	Mileage as of December 31								
	1965	1975	1980	1981	1982	1983	1984	1985	1986
State									
Interstate	584	582	571	571	571	571	571	571	571
Primary	4,078	4,167	5,597	5,598	5,588	5,588	5,535	5,535	5,537
Secondary	1,865	2,213	946	995	1,009	1,021	1,123	1,161	1,165
Urban	*	27	22	24	24	25	26	26	27
State System Only[1]	2	4	31	31	32	32	32	31	32
Total State System[2]	6,529	6,993	7,167	7,220	7,224	7,237	7,287	7,325	7,332
County									
Fed. Aid Secondary	11,394	11,780	9,414	9,385	9,448	9,437	9,394	9,348	9,388
Other County & Township Rural Roads	86,636	83,602	85,538	86,554	86,452	86,313	86,382	84,997	84,935
Incorporated City Streets[3]	1,983	2,259	3,144	3,193	3,234	3,243	3,318	3,347	3,442
Natl. Indian Reservation Roads	569	497	498	*	*	*	*	576	576
Natl. Park Roads	*	53	53	*	*	*	*	53	53
Natl. Forest Service Roads	*	742	725	*	*	*	*	725	725
Natl. Land Mgmt. Roads	*	3	3	*	*	*	*	3	3
State Park & Military Res. Roads	*	31	15	*	*	*	*	21	21
Total Roads and Streets	107,111	105,960	106,526	106,351	106,357	106,230	106,381	106,395	106,475

SOURCE: North Dakota State Highway Dept. in cooperation with U.S. Dept. of Transportation, Highway Statistics, various years.

[1] Not eligible for Federal-aid.

[2] Under jurisdiction of the State Highway Department.

[3] Exclusive of state and county system street mileage shown above.

TABLE 6.04

SUMMARY OF NORTH DAKOTA HIGHWAY DEPARTMENT RECEIPTS

1976-1986

	Receipts From State Sources								
	State Apportionments of Highway-User Taxes								
Fiscal Year Ending June 30	Motor Fuel Taxes (000 $)	Special Fuels(2%) Excise Taxes (000 $)	Motor Vehicle Registration Fees (000 $)	Motor Vehicle Use Tax	Misc. Truck Fees 1/	Agencies Participating in State Motor Pool	Driver License Fees	Transfers 2/	Gas and Oil Production Tax
1976	$16,449	$1,416	$11,356	$490,726	$2,756,974	$ ---	$688,295	$ ---	$ ---
1977	17,665	1,598	11,913	452,320	3,233,826	---	1,340,090	---	---
1978	20,951	1,821	13,441	460,213	3,479,415	---	1,317,767	---	---
1979	22,081	2,140	14,012	652,943	3,908,976	---	983,973	---	---
1980	20,784	3,671	13,846	713,747	4,452,182	---	987,124	10,000	---
1981	19,842	4,100	14,276	713,396	4,225,659	---	1,006,191	36,164	---
1982	20,864	4,795	16,476	771,251	4,123,422	---	1,021,744	510,806	5,543,983
1983	20,923	3,990	16,402	624,516	4,438,496	---	1,031,902	---	7,721,879
1984	29,835	3,759	18,431	831,732	3,663,309	1,070,137	1,249,767	---	1,806,787
1985	30,814	3,801	17,977	890,128	3,410,832	1,508,822	1,742,241	---	---
1986	28,135	3,313	17,307	868,562	2,815,913	1,665,818	1,322,793	---	---

TABLE 6.04--Continued

Fiscal Year Ending June 30	Receipts From State Sources(Con't): From Other Units of Government: Cities 3/	Counties 4/	Misc. Fees and Taxes	Total Receipts From State Sources	Receipts From Federal Agencies: For State Highways	For Local Roads and Streets	Railroad and Mass Transit	Total State Highway Department Receipts
1976	$1,233,288	$3,693,611	$1,297,659	$39,381,046	$37,455,474	$8,006,224	$4,344	$84,847,888
1977	1,366,387	4,907,670	1,192,169	43,668,553	44,141,459	9,724,017	160,754	97,694,783
1978	1,260,614	3,565,733	1,671,361	47,967,383	38,021,696	10,531,710	61,719	96,582,508
1979	1,891,478	3,663,248	1,823,533	51,157,222	38,501,952	10,531,710	336,783	97,753,909
1980	2,029,145	4,989,089	2,084,728	53,567,340	45,943,639	7,757,952	389,900	115,369,271
1981	2,103,403	5,702,317	2,173,745	54,178,424	44,708,341	15,468,392	1,009,716	116,377,465
1982	2,999,177	6,319,175	3,287,513	66,712,020	44,256,373	16,480,984	1,510,734	128,915,015
1983	2,050,075	2,742,643	3,799,517	63,723,875	41,750,614	9,631,004	2,754,099	117,859,592
1984	1,781,897	3,726,448	3,628,200	69,783,431	74,880,399	15,726,282	1,330,045	161,720,156
1985	2,874,229	6,465,834	3,712,967	73,197,394	75,994,690	19,866,113	2,736,715	171,794,912
1986	2,070,066	4,593,354	3,306,888	65,398,472	70,859,858	19,027,686	892,615	156,178,631

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, 1986.

1/ Truck-mile taxes, truck reciprocity license and plate fees, and miscellaneous road-user taxes collected by North Dakota Highway Patrol.
2/ Appropriations from the General and other State Funds.
3/ Consists of city reimbursements to State Highway Department for street construction.
4/ Consists of county reimbursements to State Highway Department for county highway construction.

TABLE 6.05

SUMMARY OF NORTH DAKOTA STATE HIGHWAY DEPARTMENT DISBURSEMENTS[1]

1976-1986

Fiscal Year Ending June 30	Disbursements for State Highways							
	Const.	Maintenance	Administration	Planning and Research 2/	Safety Program	Drivers License Division 3/	Transfers to State Highway Patrol	Truck Regulatory Division 4/
1976	$54,447,455	$12,083,635	$3,509,925	$923,818	$365,698	$574,838	$ ---	$1,197,076
1977	49,888,221	12,175,802	4,023,443	973,311	457,565	781,079	---	1,276,466
1978	49,963,261	13,271,741	3,951,432	908,167	924,362	733,021	171,398	1,458,982
1979	62,491,084	14,449,703	4,655,956	1,173,369	1,612,297	150,025	310,835	1,614,135
1980	65,117,934	17,040,249	5,106,140	1,007,348	1,380,770	754,085	1,745,803	1,773,053
1981	56,983,666	18,276,647	5,834,948	1,153,605	1,382,761	790,234	2,783,660	2,039,831
1982	56,246,000	24,201,605	6,414,168	1,156,032	1,007,492	927,795	238,640	2,261,985
1983	65,309,627	24,538,117	6,797,217	1,020,959	649,498	1,027,641	185,220	1,957,036
1984	93,301,506	24,417,392	6,369,505	1,045,339	520,467	1,027,699	3,425,498	---
1985	96,683,928	26,677,824	7,674,343	1,522,361	1,415,843	1,016,304	3,240,488	---
1986[7]	83,279,330	27,240,726	8,250,000	1,125,130	1,769,074	1,436,214	3,804,585	---

TABLE 6.08

AVERAGE COST PER MILE FOR NORTH DAKOTA HIGHWAY MAINTENANCE, SELECTED YEARS, 1972-1985

Type of Highway	Maintenance Cost/Mile for Year					
	1972	1975	1979	1980	1984	1985
State Highway						
2 Lane	$1,124	$1,285	$1,934	$2,308	$3,478	$3,511
4 Lane Divided	1,814	2,285	3,669	4,149	5,770	6,454
All Types	----	1,369	2,110	2,498	3,791	3,925
County Highway	332	524	867	1,057	1,410	*
Township Highway	58	103	158	267	200	*
City Street in City Size of:						
Under 1,000 population	566	928	1,106	1,494	2,170	*
1,000 - 4,999 pop.	2,085	2,351	3,187	3,478	5,440	*
5,000 and over pop.	2,672	3,991	4,673	5,021	6,210	*
All Sizes	----	2,231	2,812	3,187	3,560	*

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

* Source no longer lists this information.

TABLE 6.10

NORTH DAKOTA MOTOR VEHICLE AND TRAILER REGISTRATIONS, VARIOUS YEARS, 1965-1985

Year	Passenger Cars[1]	Trucks[2]	Buses	Motorcycles	Snowmobiles[3]
1965	260,275	127,787	510	5,791	------
1970	266,092	152,071	560	11,293	12,192
1975	328,206	208,677	544	24,742	19,513
1976	332,901	215,291	528	24,590	7,329
1977	341,240	222,594	521	26,027	15,905
1978	348,488	232,667	496	27,035	5,345
1980	361,956	245,463	764	29,613	13,668
1981	371,964	248,903	774	31,115	1,290
1982	377,935	254,237	803	31,312	13,924
1983	387,511	256,065	829	32,134	867
1984	380,896	256,361	812	31,480	11,350
1985	377,984	253,922	812	30,546	7,452

Year	House Cars[4]	Publicly Owned Motor Vehicles[5]	Total Motor Vehicle Reg.	Trailer Registrations
1965	146	5,712	400,221	7,289
1970	724	7,027	449,959	10,670
1975	3,244	8,197	593,123	24,095
1976	4,321	8,443	593,403	26,195
1977	5,380	8,573	620,240	27,393
1978	6,560	8,805	629,396	33,460
1980	7,711	9,229	668,404	39,288
1981	8,303	9,349	671,698	42,429
1982	9,069	9,531	696,811	44,384
1983	10,052	9,780	697,238	45,893
1984	10,528	10,564	701,991	47,583
1985	9,895	10,889	691,500	48,293

SOURCE: North Dakota State Highway Dept. in cooperation with U.S. Dept. of Transportation, Highway Statistics, various years.

[1] Included special registrations for ham radio operators, antique automobiles, letter plates and veterans.

[2] Includes special registrations for well drillers, house movers, soil conservation trucks, letter plates, ham radio operators and veterans.

[3] Effective January 1, 1980, snowmobiles are registered for a two-year period beginning January 1 of each even-numbered year. Previously, snowmobiles were registered for a two-year period beginning July 1 of each odd-numbered year.

[4] A house car is defined as a motor vehicle which has been reconstructed or manufactured for private use as sleeping or living quarters.

[5] Vehicles owned by the State and local units of government.

TABLE 6.05--Continued

Fiscal Year Ending June 30	Disbursements for State Highways (Con't)					Expended on Local Roads /Streets	Rail and Mass Transit Trans. Asst.Programs	Total State Hwy.Dept. Disbursals
	Travel Division	Construction of Buildings 5/	State Motor Pool	Misc.	Total Disbursements for State Hwys.			
1976	$692,266	$42,122	$ ---	$130,138	$73,966,971	$12,568,049	$190,661	$86,725,681
1977	444,487	945,473	---	105,558	71,071,405	17,349,018	228,141	88,648,564
1978	529,815	---	---	136,330	72,048,509	14,300,336	196,231	86,545,076
1979	565,676	---	---	120,042	87,743,122	14,148,364	444,527	102,336,013
1980	617,844	---	---	58,034	94,601,260	22,178,704	926,676	117,706,640
1981	681,390	---	---	315,078	90,241,820	24,649,283	1,258,060	116,149,163
1982	630,338 6/	---	---	202,500	93,286,555	20,471,383	1,591,565	115,349,503
1983	630,338 6/	---	---	140,867	102,256,520	13,896,410	3,198,192	119,351,122
1984	655,510 6/	---	843,799	515,421	132,122,136	22,690,489	2,025,801	156,838,426
1985	655,510 6/	---	1,089,614	779,042	140,755,257	31,979,336	1,635,756	174,370,349
1986	677,374	---	1,424,568	48,896	129,055,897	26,005,592	949,315	156,010,804

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, 1986.

1/ Disbursements are reported on a cost accounting basis.

2/ Costs of Planning Division of the State Highway Department plus transportation planning assistance to urban areas.

3/ Safety responsibility administration and issuance of driver licenses.

4/ Check truck weight, administer truck reciprocity, and collect the truck-mile tax and other road-user fees. (Transferred to North Dakota Highway Patrol effective July 1, 1983.)

5/ Expenditures for storage buildings not included. These expenditures are included in maintenance.

6/ Transfers to Economic Development Commission (Tourism Division).

7/ Because of the present State Highway Dept. conversion to the Financial Accounting and Reporting Information System (FARIS) most of the 1986 expenditures are estimated.

TABLE 6.06

RECEIPTS AND DISBURSEMENTS BY NORTH DAKOTA COUNTIES, ORGANIZED TOWNSHIPS, AND INCORPORATED CITIES FOR LOCAL ROADS AND STREETS, 1966-1983 VARIOUS YEARS (Thousands of Dollars)

Year	Counties		Organized Townships		Incorporated Cities	
	Receipts	Disbursements	Receipts	Disbursements	Receipts	Disbursements
1966	16,840	15,839	4,538	4,040	13,570	13,039
1967	18,491	17,779	4,390	4,423	12,076	11,624
1968	18,750	19,421	4,533	4,702	15,056	13,610
1969	18,241	18,523	4,428	4,530	15,779	14,858
1970	22,133	22,226	4,879	5,047	18,292	16,229
1971	23,438	22,932	4,972	4,437	18,130	16,603
1972	24,406	23,414	5,387	5,064	20,474	17,864
1973	24,566	23,414	5,977	5,064	19,674	20,839
1974	28,888	26,377	8,372	6,836	21,982	21,115
1975	30,987	31,176	7,706	7,750	30,109	28,906
1976	34,005	34,907	7,649	7,889	34,912	32,086
1977	37,980	37,393	7,638	7,708	46,480	42,413
1978	37,891	32,562	7,947	7,356	48,096	42,198
1979	42,819	41,372	7,969	7,192	58,352	49,863
1980	55,359	56,203	8,590	8,821	66,721	66,772
1981	55,650	53,265	9,151	8,432	47,931	49,015
1983	67,942	58,622	15,617	11,292	55,664	59,780

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transporation, Highway Statistics, various years.

TABLE 6.07

AVERAGE COST PER MILE FOR RURAL HIGHWAY CONSTRUCTION IN NORTH DAKOTA, SELECTED YEARS, 1972-1985

Type of Highway	Construction Cost/Mile for Year					
	1972	1975	1979	1980	1984	1985
State Highways						
2 Lane Interstate Recycling Projects	$-------	$-------	$-------	$-------	$850,000	$850,000
4 Lane Divided Interstate Highway	651,333	811,739	$-------	$-------	$-------	$-------
2 Lane Added to Existing 2 Lane Highway	-------	-------	390,069	456,454	480,400	480,000
2 Lane 52' Roadbed, 50-400+ ADT Highway	154,087	238,197	247,661	272,243	491,000	491,000
2 Lane 38' Roadbed, 50-400 ADT Highway	98,362	142,430	166,419	182,604	279,700	280,500
Widen Shoulders and Resurface	80,980	143,296	159,673	181,715	272,000	272,000
County Federal Aid Secondary Highway, 32' Roadbed	43,054	72,356	118,572	138,090	175,000	168,500
Township Highway	3,060	4,595	7,644	8,333	116,000	122,500

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

TABLE 6.09

HISTORIC TREND IN NORTH DAKOTA MOTOR VEHICLE REGISTRATIONS, MOTOR FUEL CONSUMPTION ON HIGHWAYS, AND VEHICLE MILES OF HIGHWAY TRAVEL, SELECTED YEARS, 1920-1985[1]

Year	Population[2]	Motor Vehicle Registrations: Total Vehicles Registered	Motor Vehicle Registrations: Persons Per Vehicle	Gallons of Fuel Taxed for Highways: Total Gallons Taxed (Thousands)	Gallons of Fuel Taxed for Highways: Gallons Per Vehicle	Annual Vehicle Miles of Travel in North Dakota: Total Vehicle Miles of Travel (Millions)	Annual Vehicle Miles of Travel in North Dakota: Miles Per Vehicle
1920	646,872	91,799	7.0	21,587	235	287	3,127
1930	680,845	183,019	3.7	65,525	358	930	5,081
1940	641,935	183,092	3.5	85,780	469	1,284	7,013
1950	619,636	275,183	2.3	134,913	490	2,102	7,639
1960	632,446	343,780	1.8	210,443	612	3,079	8,956
1970	617,761	426,474	1.5	301,592	707	3,807	8,927
1973	635,000	488,573	1.3	369,942	757	4,300	8,801
1974	637,000	524,630	1.2	352,934	673	4,371	8,332
1975	637,000	549,378	1.2	377,171	672	4,502	8,195
1976	645,000	561,484	1.1	413,815	737	4,783	8,518
1977	653,000	578,308	1.1	422,076	730	4,962	8,580
1978	652,000	597,016	1.1	442,394[3]	741[3]	5,287	8,856
1979	640,000	426,474	1.5	301,592	707	3,807	8,927
1980	652,695	625,064	1.0	409,908	656	5,292	8,466
1981	661,000	639,000	1.0	427,000	667	5,450	8,519
1982	672,000	652,000	1.0	429,000	658	5,380	8,259
1983	681,000	664,000	1.0	427,000	643	5,450	8,201
1984	687,000	659,000	1.0	419,000	635	5,500	8,350
1985	685,000	653,000	1.0	427,000	653	5,580	8,538

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

[1] Private and official passenger cars, trucks, and buses. Excludes motorcycles and snowmobiles.

[2] Estimated 1973-1979.

[3] Estimated.

TABLE 6.11

NORTH DAKOTA MOTOR VEHICLE REGISTRATIONS BY COUNTY, SELECTED YEARS, 1950-1986

County	Year									
	1950	1960	1970	1980	1981	1982	1983	1984	1985	1986
Adams	2,554	2,968	3,607	4,723	4,666	4,724	4,756	4,758	4,704	4,511
Barnes	7,901	9,254	11,825	16,167	15,568	15,998	15,671	15,755	15,635	15,267
Benson	4,316	5,054	6,107	8,314	8,301	8,166	8,108	8,067	7,892	7,716
Billings	757	834	1,015	1,305	1,399	1,561	1,523	1,697	1,699	1,634
Bottineau	5,811	6,810	8,555	11,494	10,984	11,715	11,142	11,566	11,551	11,216
Bowman	2,311	2,940	3,715	5,624	5,791	6,000	5,847	6,021	5,959	5,808
Burke	3,501	3,876	4,557	5,567	5,523	5,593	5,682	5,575	5,443	5,198
Burleigh	10,959	17,293	27,797	56,343	56,840	59,107	60,969	61,438	61,812	61,027
Cass	24,553	32,611	47,245	85,014	84,793	87,829	89,950	92,422	93,634	63,575
Cavalier	5,177	6,015	7,891	10,224	9,777	9,865	9,678	9,594	9,580	9,451
Dickey	3,996	4,605	5,693	8,112	8,005	8,125	7,987	8,040	8,015	7,808
Divide	3,366	3,554	4,173	5,176	5,114	5,228	5,229	5,221	5,070	4,929
Dunn	2,974	3,178	3,842	5,322	3,667	6,036	5,951	5,881	5,666	5,357
Eddy	2,310	2,729	3,341	4,442	4,278	4,347	4,278	4,262	4,212	4,091
Emmons	3,864	4,736	5,548	6,978	6,996	7,111	7,116	7,185	7,187	7,104
Foster	2,537	3,235	3,996	5,699	5,622	5,704	5,681	5,613	5,610	5,520
Golden Valley	2,032	2,192	2,487	3,497	3,674	3,881	3,821	3,629	3,514	3,428
Grand Forks	15,083	21,357	33,339	53,231	53,296	55,371	56,578	57,257	57,397	57,123
Grant	3,072	3,789	4,269	5,439	5,427	5,454	5,395	5,597	5,565	5,518
Griggs	2,651	3,157	3,920	4,837	4,798	4,813	4,765	4,786	4,713	4,600
Hettinger	3,692	4,056	4,675	6,156	6,827	6,001	5,953	5,904	5,882	5,780
Kidder	2,405	2,871	3,529	4,591	4,543	4,643	4,669	4,771	4,762	4,728
LaMoure	4,477	5,236	6,503	8,663	8,525	8,594	8,538	8,497	8,406	8,227
Logan	2,656	3,024	3,363	4,416	4,272	4,436	4,340	4,383	4,395	4,341
McHenry	5,714	6,329	7,380	9,814	9,666	9,833	9,812	9,890	9,800	9,592
McIntosh	3,350	3,952	4,517	5,893	5,702	5,701	5,703	5,791	5,798	5,682
McKenzie	3,619	4,546	5,511	8,160	9,471	10,079	10,037	10,021	9,772	9,255
McLean	8,633	8,212	9,945	10,807	14,507	15,037	15,316	15,493	15,224	14,678
Mercer	3,800	3,999	5,284	10,456	10,629	12,020	13,588	14,102	13,523	12,607
Morton	7,729	10,264	13,960	26,170	26,416	27,125	27,512	27,907	27,649	27,073

TABLE 6.13

NORTH DAKOTA DRIVERS LICENSES IN FORCE BY AGE OF DRIVER, SELECTED YEARS, 1970-1986

	Year				
Age	1970	1975	1980	1985	1986
14 - 15	3,079	5,153	4,446	3,690	3,601
16	7,628	9,735	8,582	6,938	7,135
17	9,722	11,374	10,342	8,049	8,294
18	10,585	11,390	11,242	8,451	8,312
19	10,403	11,698	11,577	9,251	8,590
20	9,028	10,956	11,751	9,344	8,871
21	9,257	10,862	11,988	10,499	9,494
22	8,554	10,240	11,570	10,646	9,885
23	8,265	10,051	11,552	11,443	10,565
24	7,116	9,408	11,228	10,975	10,387
25-29	28,927	39,918	53,009	57,708	55,276
30-34	25,793	30,037	42,813	53,449	53,134
35-39	26,315	26,314	31,835	43,565	448,803
40-44	28,280	26,194	26,899	31,919	3,303
45-49	27,593	27,844	26,187	26,606	26,821
50-54	27,003	26,946	27,523	25,912	25,664
55-59	25,787	25,823	26,090	26,901	26,366
60-64	22,081	23,873	24,437	24,862	24,670
65-69	16,096	19,817	21,913	22,596	22,590
70 and over	19,393	24,921	33,774	39,998	40,794
TOTAL	330,905	372,554	418,758	443,002	438,282

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years.

TABLE 6.14

ANNUAL MOTOR VEHICLE MILES OF TRAVEL IN NORTH DAKOTA AND PERCENTAGE DISTRIBUTION OF TRAVEL BY ROAD AND STREET SYSTEM, SELECTED YEARS, 1955-1986

Year	Total Annual Vehicle Miles (Millions)	Percent of Annual Miles Traveled on: Rural State Highways	Local Rural Roads and Streets	Incorporated City Streets
1955	2,356	54%	31%	15%
1960	3,079	50	30	20
1965	3,439	50	30	20
1968	3,549	48	31	21
1969	3,654	48	30	22
1970	3,807	49	29	22
1972	3,955	49	29	22
1972	4,116	50	28	22
1973	4,300	50	27	23
1974	4,371	50	27	23
1975	4,502	49	27	24
1976	4,783	49	26	25
1977	4,962	48	26	26
1978	5,287	48	25	27
1979	5,234	47	25	27
1980	5,292	46	25	28
1981	5,446	48	24	28
1982	5,881	48	24	28
1983	5,447	47	24	29
1984	5,504	47	23	30
1985	5,579	48	26	26
1986	5,634	48	26	26

SOURCE: North Dakota Highway Dept. in coopertion with the U.S. Dept. of Transportation, Highway Statistics, various years.

TABLE 6.16

ANNUAL MOTOR VEHICLE MILES OF TRAVEL IN NORTH DAKOTA
BY COUNTY AND PLACE OF TRAVEL, 1986
(Travel Shown in Thousands of Vehicle Miles)

	Place of Travel			
County	Rural	Cities Over 5,000 Population	Total County Travel	Percent of Travel By County
Adams	27,532		27,532	0.49%
Barnes	134,434	32,831	167,265	2.97
Benson	76,097		76,097	1.35
Billings	45,273		45,273	0.80
Bottineau	96,610		96,610	1.71
Bowman	40,431		40,431	0.72
Burke	42,559		42,559	0.76
Burleigh	135,630	234,539	370,169	6.57
Cass	307,915	413,132	679,083	12.05
Cavalier	59,231		59,231	1.05
Dickey	54,195		54,195	0.96
Divide	34,630		34,630	0.61
Dunn	57,621		57,621	1.02
Eddy	27,516		27,516	0.49
Emmons	45,508		45,508	0.81
Foster	36,269		36,269	0.64
Golden Valley	3,401		34,051	0.60
Grand Forks	238,062	197,883	435,945	7.74
Grant	34,365		34,365	0.61
Griggs	32,403		32,403	0.58
Hettinger	35,083		35,083	0.62
Kidder	71,359		71,359	1.27
LaMoure	49,753		49,753	0.88
Logan	22,807		22,807	0.40
McHenry	94,779		94,779	1.68
McIntosh	31,493		31,493	0.56
McKenzie	133,498		133,498	2.37
McLean	126,589		126,589	2.25
Mercer	83,541		83,541	1.48
Morton	143,277	97,434	240,711	4.27
Mountrail	77,205		77,205	1.37
Nelson	61,168		61,168	1.09
Oliver	27,318		27,318	0.48
Pembina	104,217		104,217	1.85
Pierce	50,624		50,624	0.90

TABLE 6.16--Continued

County	Place of Travel			
	Rural	Cities Over 5,000 Population	Total County Travel	Percent of Travel By County
Ramsey	82,775	32,633	115,408	2.05%
Ransom	39,618		39,618	0.70
Renville	39,206		39,206	0.70
Richland	135,290	29,091	164,381	2.92
Rolette	78,219		78,219	1.39
Sargent	46,651		46,651	0.83
Sheridan	26,528		26,528	0.47
Sioux	20,662		20,662	0.37
Slope	23,885		23,885	0.42
Stark	132,671	76,614	209,285	3.71
Steele	34,982		34,982	0.62
Stutsman	163,510	62,672	226,182	4.01
Towner	39,366		39,366	0.70
Traill	120,650		120,650	2.14
Walsh	119,684	14,329	134,013	2.38
Ward	216,386	190,707	407,093	7.23
Wells	65,164		65,164	1.16
Williams	120,576	73,115	193,691	3.44
NORTH DAKOTA	4,178,866	1,454,980	5,633,846	100.00

SOURCE: Unpublished data, North Dakota Highway Dept., 1986.

TABLE 6.11--Continued

County	Year 1950	1960	1970	1980	1981	1982	1983	1984	1985	1986
Mountrail	5,166	6,167	7,062	9,908	10,633	10,186	10,009	10,010	9,778	9,401
Nelson	3,803	4,498	5,561	6,924	6,881	6,877	6,869	6,813	6,715	6,517
Oliver	1,201	1,195	1,722	2,636	2,597	2,716	2,823	2,945	2,989	2,974
Pembina	6,746	8,017	9,813	12,839	12,706	12,921	12,828	12,874	12,934	12,805
Pierce	3,685	4,111	5,730	6,861	6,919	7,028	7,030	7,008	6,797	6,585
Ramsey	6,325	7,519	9,936	13,754	13,505	13,828	13,933	13,889	13,977	13,906
Ransom	3,972	4,575	5,373	7,456	7,278	7,361	7,264	7,145	7,062	6,932
Renville	2,835	3,013	3,874	4,859	4,783	4,915	4,870	4,983	4,976	4,798
Richland	8,884	10,081	12,950	19,763	19,375	20,322	20,085	20,606	20,518	20,014
Rolette	3,408	3,987	6,202	9,493	9,619	9,879	9,938	10,403	10,210	10,098
Sargent	3,355	3,860	4,779	6,695	6,590	6,729	6,652	6,674	6,671	6,544
Sheridan	2,317	2,555	3,181	3,800	3,805	3,856	3,765	3,832	3,772	3,686
Sioux	1,029	1,304	1,639	2,358	2,430	2,447	2,381	2,401	2,431	2,300
Slope	1,211	1,273	1,376	1,687	1,684	1,686	1,671	1,756	1,780	1,722
Stark	6,711	8,929	12,841	25,019	28,348	30,865	29,951	28,815	28,183	26,412
Steele	2,672	3,177	3,659	4,352	4,171	4,224	4,090	4,135	4,001	3,821
Stutsman	9,653	13,092	17,180	26,390	25,858	26,406	26,270	26,431	26,421	25,750
Towner	3,199	3,681	4,596	5,619	5,364	5,586	5,417	5,589	5,463	5,308
Traill	6,054	6,817	8,008	10,991	10,706	10,923	10,781	10,845	10,675	10,394
Walsh	9,074	10,765	13,528	17,848	17,840	18,340	18,198	18,251	18,195	17,954
Ward	14,828	22,656	34,450	53,752	54,092	56,197	56,218	57,815	57,791	56,582
Wells	4,752	5,382	6,601	8,735	8,643	8,934	8,864	8,805	8,747	8,505
Williams	8,152	13,036	15,817	27,553	31,445	34,157	32,289	31,533	30,952	28,365
Out-of-State*	1,383	2,589	3,314	8,304	9,483	10,523	10,346	10,705	10,557	10,332
Total	276,227	344,955	456,981	704,230	710,026	737,003	738,057	745,386	741,664	724,549

SOURCE: North Dakota State Highway Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, various years. North Dakota State Motor Vehicle Department.

* Vehicles licensed in this state but headquartered in another.

TABLE 6.12

NORTH DAKOTA MOTOR VEHICLE REGISTRATIONS BY TYPE, BY COUNTY, CALENDAR YEAR, 1986

County	Passenger Cars[1]	Trucks	Official Vehicles	House Cars	Motor-cycles	Farm Trucks	Commercial Trailers	Travel Trailers	Snow-mobiles[2]	Total Reg.[3]
Adams	1,852	1,613	47	44	118	348	291	131	45	4,511
Barnes	7,406	4,393	237	127	639	1,146	638	249	376	15,267
Benson	3,543	2,489	120	64	177	773	288	121	98	7,716
Billings	490	680	58	12	30	138	168	28	21	1,634
Bottineau	4,596	3,701	231	144	337	1,048	370	195	517	11,216
Bowman	2,271	1,996	73	69	198	464	372	160	171	5,808
Burke	2,014	1,831	92	124	141	589	188	130	74	5,198
Burleigh	36,349	13,712	2,469	984	2,818	729	1,887	1,276	541	61,027
Cass	59,497	19,639	1,155	775	3,977	1,964	3,170	1,812	1,318	93,575
Cavalier	3,840	2,822	93	130	287	1,307	368	237	322	9,451
Dickey	3,562	2,356	112	76	346	617	433	145	139	7,808
Divide	1,839	1,750	89	102	150	684	178	84	32	4,929
Dunn	1,997	1,994	120	49	147	489	387	70	91	5,357
Eddy	1,813	1,297	40	60	133	362	208	72	77	4,091
Emmons	3,009	2,460	121	71	247	582	380	117	95	7,104
Foster	2,426	1,646	84	103	187	568	288	94	62	5,520
Golden Valley	1,300	1,282	58	51	86	310	229	54	52	3,428
Grand Forks	35,525	12,604	795	518	2,586	1,892	1,232	1,106	700	57,123
Grant	2,104	2,042	62	57	157	522	385	97	70	5,518
Griggs	2,000	1,509	67	57	127	527	167	69	67	4,600
Hettinger	2,290	1,955	67	65	202	682	307	85	97	5,780
Kidder	1,863	1,662	64	64	139	364	394	98	60	4,728
LaMoure	3,500	2,707	112	100	234	878	423	144	94	8,227
Logan	1,742	1,500	38	50	143	391	338	62	62	4,341
McHenry	3,956	3,413	131	141	220	786	567	191	161	9,592
McIntosh	2,518	1,882	105	73	158	447	340	79	72	5,682
McKenzie	3,294	3,515	154	150	250	761	759	244	80	9,255
McLean	6,388	4,761	249	219	456	1,327	608	401	220	14,678
Mercer	6,159	3,856	164	187	677	440	443	380	241	12,607
Morton	13,939	7,965	388	468	1,252	830	1,247	621	249	27,073

TABLE 6.12--Continued

County	Passenger Cars[1]	Trucks	Official Vehicles	House Cars	Motor-cycles	Farm Trucks	Commercial Trailers	Travel Trailers	Snow-mobiles[2]	Total Reg.[3]
Mountrail	3,794	3,307	141	124	257	1,004	395	278	71	9,401
Nelson	2,767	2,099	136	61	164	813	215	163	67	6,517
Oliver	1,199	1,064	52	77	93	203	176	66	33	2,974
Pembina	5,581	3,847	176	117	384	1,558	487	304	260	12,805
Pierce	3,078	2,119	43	68	212	599	231	107	100	6,585
Ramsey	7,255	3,869	220	141	414	958	376	305	289	13,906
Ransom	3,461	1,997	115	50	191	533	272	144	138	6,932
Renville	1,882	1,661	70	66	122	576	182	106	107	4,798
Richland	10,052	5,506	317	151	769	1,479	680	409	563	20,014
Rolette	5,211	3,246	161	97	252	525	263	150	148	10,098
Sargent	2,917	1,927	104	70	196	578	431	129	156	6,544
Sheridan	1,374	1,313	43	51	100	453	234	59	44	3,686
Sioux	1,074	787	49	16	44	125	147	35	19	2,300
Slope	515	649	14	12	42	259	158	38	33	1,722
Stark	13,365	7,903	323	433	1,298	843	1,159	604	396	26,412
Steele	1,531	1,220	60	34	101	601	113	52	98	3,821
Stutsman	13,270	7,083	302	363	1,480	1,287	1,028	469	303	25,750
Towner	2,057	1,731	76	71	168	745	172	97	156	5,308
Traill	4,980	2,954	178	102	300	1,159	264	211	212	10,394
Walsh	8,473	5,037	273	129	574	2,259	448	346	279	17,954
Ward	32,256	14,911	606	932	2,596	1,738	1,431	1,259	664	56,582
Wells	3,822	2,641	113	120	310	901	325	139	103	8,505
Williams	13,431	9,259	382	494	1,156	1,233	1,196	666	337	28,365
Out-of-State[4]	4,252	4,097	2	72	221	130	1,336	160	43	10,332
Total	370,679	205,259	11,551	8,985	28,063	42,524	28,772	14,848	10,823	724,549

SOURCE: North Dakota Motor Vehicle Dept. in cooperation with the U.S. Dept. of Transportation, Highway Statistics, 1986.

[1] Includes taxicabs, intracity and private buses, and vehicles with special letter plate registrations.

[2] Registered for two-year periods.

[3] Also includes vehicles other than categories specified; i.e., housemovers, antique cars, well drillers, ham operators, veterans, mobile homes, Soil Conservation trucks and interstate buses.

[4] Licensed in North Dakota but headquartered in other states.

TABLE 6.15

ESTIMATED 1983 ANNUAL VEHICLE MILES OF TRAVEL ON ALL ROADS AND STREETS
TRAVEL SHOWN IN THOUSANDS OF MILES

Vehicle Type	FAI System	Principle Arterial System	Minor Arterial System	Major Collector System	Minor Collector System	Other Rural Roads	Inc. Streets	Total
Passenger Cars								
Local	323,397	745,379	638,319	490,663	71,520	105,850	325,120	2,700,248
Foreign	161,943	71,160	46,063	31,654	1,623	4,165	7,093	323,701
Motorcycles	4,622	6,508	5,136	3,483	365	1,540	25	21,679
Buses[1]	13,753	9,858	12,786	8,765	5,458	12,495	201	63,316
Single Unit Trucks								
Panels and Pickups[2]	167,871	308,593	365,981	286,222	70,797	286,107	53,420	1,538,991
2 Axle, 6 Tire	24,286	33,439	53,021	45,431	18,257	44,600	7,058	226,172
3 Axle	12,707	18,470	27,870	27,493	5,611	25,965	777	118,893
Semitrailer Comb.								
3 Axle	1,392	1,810	1,628	1,497	105	515	100	7,047
4 Axle	6,089	3,180	3,605	2,766	517	1,030	75	17,262
5 Axle	133,591	56,967	63,500	31,405	3,465	6,215	431	295,552
Full Trailer Comb.								
5 Axle or Less	13,512	5,283	9,234	6,415	1,375	1,540	---	37,359
6 Axle or More	6,797	3,315	3,315	2,480	405	515	---	16,827
TOTAL	869,960	1,263,962	1,230,466	938,274	179,498	570,617	394,270	5,447,047

SOURCE: North Dakota Highway Dept. in cooperation with the U.S. Dept of Transportation, Highway Statistics, 1983.

Open entries indicate less than 0.1 of 1%.

[1] Commercial, school and camper buses combined.

[2] 2 Axle, 4 Tire combined with Panels and Pickups.

TABLE 6.17

MOTOR VEHICLE ACCIDENT FATALITIES AND FATALITY RATE, NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1960-1985

Year	North Dakota		United States	
	Fatalities	Fatality Rate*	Fatalities	Fatality Rate*
1960	156	5.06	38,200	5.30
1963	193	5.80	43,000	5.50
1964	185	5.44	47,700	5.70
1965	162	4.71	49,000	5.57
1966	209	6.01	52,500	5.67
1967	201	5.84	51,559	5.34
1968	198	5.58	53,831	5.28
1969	182	4.99	55,032	5.16
1970	177	4.65	53,672	4.82
1971	227	5.70	53,761	4.54
1972	208	5.19	55,704	4.40
1973	208	4.83	55,113	4.19
1974	162	3.71	46,078	3.59
1975	169	3.75	45,511	3.42
1976	182	3.81	46,398	3.29
1977	180	3.63	47,671	3.25
1978	185	3.50	50,145	3.27
1979	128	2.50	51,083	3.35
1980	151	2.85	51,700	3.41
1981	166	3.04	49,338	3.18
1982	148	2.75	43,990	2.80
1983	116	2.13	42,458	2.60
1984	100	1.82	44,250	2.57
1985	90	1.67	43,500	2.46

SOURCE: North Dakota Highway Dept., North Dakota Vehicular Accident Facts, various years.

* Traffic deaths per 100 million vehicle miles of travel.

TABLE 6.18

NORTH DAKOTA MOTOR VEHICLE ACCIDENTS, FATALITIES AND INJURIES, SELECTED YEARS, 1970-1985[1]

Type of Motor Vehicle Accident[2]	1970			1971		
	Total Accidents	Fatal Accidents	Accidents Involving Injury	Total Accidents	Fatal Accidents	Accidents Involving Injury
Overturning[3]	2,725	59	1,392	1,339	44	779
Other Non-collision	465	9	63	344	---	33
Collision with:						
Pedestrian	194	15	190	180	16	176
MV on Same Roadway	16,553[4]	82[4]	3,962[4]	12,118	113	3,925
MV on Other Roadway	(4)	(4)	(4)	2	---	6
Parked MV	(4)	(4)	(4)	3,404	3	167
RR Train	85	6	41	84	15	41
Pedal Cyclist	90	1	93	100	4	96
Animal	861	---	63	917	3	84
Fixed Object	1,400	5	290	2,554	29	867
Other Object	62	---	15	28	---	9
Unknown	-----	-----	-----	96	---	36
All Accidents	22,435	177	61,109	21,166	227	6,219

	1972			1973		
Overturning	1,342	47	830	1,600	63	969
Other Non-collision	325	8	125	331	9	154
Collision with:						
Pedestrian	165	17	142	189	14	168
MV on Same Roadway	11,069	90	3,122	8,450	94	2,687
MV on Other Roadway	110	2	34	14	---	7
Parked MV	2,433	---	191	1,651	3	190
RR Train	77	15	29	57	5	26
Pedal Cyclist	86	2	72	116	2	104
Animal	706	---	44	720	---	30
Fixed Object	1,909	25	628	1,606	18	579
Other Object	115	2	39	47	---	10
Unknown	-----	-----	-----	-----	---	-----
All Accidents	18,337	208	5,254	14,781	208	4,924

TABLE 6.18--Continued

Type of Motor Vehicle Accident[2]	1978			1980		
	Total Acci-dents	Fatal Acci-dents	Accidents Involving Injury	Total Acci-dents	Fatal Acci-dents	Accidents Involving Injury
Overturning	1,783	40	1,020	1,580	36	693
Other Non-collision	176	2	75	205	--	72
Collision with:						
Pedestrian	157	12	149	131	12	117
MV on Same Roadway	11,380	78	3,758	8,104	43	1,848
MV on Other Roadway	15	--	7	6	--	1
Parked MV	1,854	1	217	1,533	--	175
RR Train	67	11	36	35	4	14
Pedal Cyclist	102	1	106	105	--	102
Animal	501	1	29	688	--	31
Fixed Object	1,823	37	749	2,147	36	736
Other Object	176	2	60	199	2	71
Unknown	3	--	-----	4	--	-----
All Accidents	18,037	185	6,206	14,737	133	3,860
	1983			1985		
Overturning	1,217	26	561	1,382	21	600
Other Non-collision	253	3	94	209	--	70
Collision with:						
Pedestrian	135	9	126	117	6	111
MV on Same Roadway	8,162	38	1,868	8,514[5]	26[5]	2,042[5]
MV on Other Roadway	3	1	--	---	--	---
Parked MV	1,404	--	111	1,220	--	120
RR Train	34	1	11	25	2	11
Pedal Cyclist	127	2	124	138	2	136
Animal	1,150	1	49	1,303	--	58
Fixed Object	2,002	24	624	1,533	19	476
Other Object	177	--	50	150	1	45
Unknown	2	--	--	4	--	3
All Accidents	14,699	105	3,623	14,646	77	3,674

SOURCE: North Dakota Highway Dept., Vehicular Accident Facts, various years.

[1] Data for 1970 are not strictly comparable with data for other years. See notes below and/or source cited.

[2] Refers to traffic accidents which must, under State Law, be reported. Includes all motor vehicle accidents resulting in death, personal injury, or damage to property in excess of $300 ($50 prior to 1975).

[3] Includes "running off roadway" for 1970.

[4] Data represent category "collision with other vehicle" for 1970. No breakdown available.

[5] Combines "MV on Same Roadway" and "MV on other Roadway".

TABLE 6.19

REPORTABLE MOTOR VEHICLE ACCIDENTS BY NORTH DAKOTA COUNTY
1981-1985

County	1981	1982	1983	1984	1985
NORTH DAKOTA	15,371	15,871	14,699	15,112	14,646
Adams	51	45	39	64	51
Barnes	375	355	333	347	343
Benson	136	135	122	128	132
Billings	117	120	70	54	54
Bottineau	178	168	161	176	155
Bowman	83	92	72	73	56
Burke	45	49	58	65	56
Burleigh	1,648	1,902	1,814	1,806	1,641
Cass	2,470	2,434	2,418	2,557	2,608
Cavalier	125	126	106	109	94
Dickey	90	110	103	93	109
Divide	65	64	74	58	51
Dunn	159	140	119	81	73
Eddy	70	72	75	69	76
Emmons	80	97	87	95	112
Foster	87	68	78	68	72
Golden Valley	76	57	49	48	48
Grand Forks	1,196	1,283	1,327	1,621	1,594
Grant	66	42	56	56	71
Griggs	61	68	53	62	48
Hettinger	48	50	48	55	43
Kidder	59	76	80	81	91
LaMoure	78	54	62	62	76
Logan	50	41	57	51	49
McHenry	140	120	124	148	115
McIntosh	83	75	74	64	58
McKenzie	288	274	204	186	184
McLean	189	189	174	187	190
Mercer	213	301	342	268	194
Morton	588	678	561	524	478

TABLE 6.19--Continued

County	1981	1982	1983	1984	1985
Mountrail	173	191	146	136	125
Nelson	90	101	80	109	103
Oliver	44	51	64	45	44
Pembina	124	153	113	139	154
Pierce	113	92	86	98	108
Ramsey	297	327	285	318	357
Ransom	113	109	101	88	95
Renville	72	61	90	58	62
Richland	295	322	295	337	328
Rolette	182	177	191	202	160
Sargent	38	44	79	88	71
Sheridan	38	35	17	19	19
Sioux	29	32	19	32	34
Slope	39	31	23	27	22
Stark	848	993	638	556	584
Steele	61	47	53	86	59
Stutsman	691	619	666	697	650
Towner	46	62	55	58	56
Traill	136	185	146	171	186
Walsh	328	390	339	342	359
Ward	1,373	1,423	1,404	1,422	1,412
Wells	109	113	124	124	136
Williams	1,218	1,028	745	704	600

SOURCE: North Dakota Highway Dept., Vehicular Accident Facts, various years.

TABLE 6.20

STATISTICS OF NORTH DAKOTA MOTOR CARRIERS BY CLASS OF CARRIER, 1980-1984[1]

Account or Item	Class "A" Motor Carriers of Property				
	1980	1981	1982	1983	1984
Carriers Reporting	14	12	12	11	10
Total Revenue (000)	$20,367	$21,458	$17,949	$18,063	$16,478
Total Expenses (000)	$19,460	$20,566	$17,545	$17,224	$16,018
Vehicle Miles Operated (000)	8,139	7,590	5,965	5,799	5,297
Tons Carried (000)	224	NA	NA	NA	NA

Account or Item	Class "A" Motor Carriers of Passengers				
	1980	1981	1982	1983	1984
Carriers Reporting	11	13	12	15	13
Total Revenue (000)	$4,428	$4,785	$4,949	$4,834	$4,458
Total Expenses (000)	$4,193	$4,611	$4,781	$4,795	$4,328
Vehicle Miles Operated (000)	2,950	2,867	3,012	2,903	2,387
Tons Carried[2] (000)	331	317	321	138	107

Account or Item	Special Motor Carriers of Property				
	1980	1981	1982	1983	1984
Carriers Reporting	117	116	115	117	115
Total Revenue (000)	$16,183	$13,349	$13,152	$18,071	$22,158
Total Expenses (000)	$15,402	$12,676	$12,464	$16,976	$20,713
Vehicle Miles Operated (000)	12,230	11,400	8,930	14,181	14,633
Tons Carried (000)	647	NA	NA	NA	NA

TABLE 6.20--Continued

Account or Item	Contract Motor Carriers of Property 1980	 1981	 1982	 1983	 1984
Carriers Reporting	19	22	23	20	20
Total Revenue (000)	$6,237	$7,613	$8,892	$3,556	$3,459
Total Expenses (000)	$5,713	$6,863	$8,295	$3,047	$3,006
Vehicle Miles Operated (000)	5,874	6,728	7,282	2,579	2,288
Tons Carried (000)	1,184	NA	NA	NA	NA

Account or Item	Special Petroleum Carriers 1980	 1981	 1982	 1983	 1984
Carriers Reporting	6	6	5	5	6
Total Revenue (000)	$11,354	$10,384	$8,273	$5,870	$4,739
Total Expenses (000)	$11,165	$10,353	$8,427	$5,849	$4,920
Vehicle Miles Operated (000)	7,975	6,665	5,530	4,010	3,211
Tons Carried (000)	NA	NA	NA	NA	NA

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] North Dakota operations only. Where total interstate and intrastate operations are reported as a single item by the carriers, North Dakota operations have been segregated on an appropriate basis by the Public Service Commission.

[2] Item indicates number of passengers for Class "A" Motor Carriers of Passengers.

TABLE 6.22

REVENUE FREIGHT ORIGINATING ON ALL RAILROADS IN NORTH DAKOTA FOR THE YEAR ENDED DECEMBER 31, 1986
(Showing All Commodities by General Classes)

Commodity	Burlington Northern		Soo Line	
	C.L.	Tons	C.L.	Tons
Farm Products	90,270	8,212,211	44,171	4,058,433
Forest Products	------	------	------	------
Fresh Fish & Marine Products	------	------	------	------
Metallic Ores	------	------	------	------
Coal	37,827	3,465,041	668	52,519
Crude Oil, Nat. Gasoline & Gas	------	------	------	------
Nonmet. Minerals, Exc. Fuels	1,042	101,787	18	287
Ordnance & Accessories	------	------	------	------
Food & Kindred Products	17,943	1,372,070	3,144	261,396
Tobacco Products	------	------	------	------
Textile Mill Products	------	------	------	------
Finished Textile Products	------	------	------	------
Lumber & Prod., Exc. Furniture	24	1,515	111	6,506
Furniture & Fixtures	------	------	------	------
Pulp, Paper & Allied Products	1	68	41	2,253
Printed Matter	------	------	------	------
Chemicals & Allied Products	7,878	778,435	123	11,756
Petroleum & Coal Products	3,423	231,534	7	492
Rubber & Miscellaneous	------	------	------	------
Leather & Leather Products	------	------	------	------
Stone,Clay,Glass & Concrete Prod.	68	3,891	1	100
Primary Metal Products	8	513	------	------
Fabricated Metal Prod., Exc. Ordnance, Machry. & Transp.	6	115	------	------
Machinery, Exc. Electrical	52	1,280	------	------
Elec. Mach., Equip. & Supplies	------	------	1	12
Transportation Equipment	35	1,250	15	342
Time, Photo, & Optical Goods	------	------	------	------
Misc. Products of Manufacturing	------	------	------	------
Waste & Scrap Materials	504	39,457	273	18,687
Misc. Freight Shipments	3	17	3	105
Shipping Containers, Ret. Empty	61	813	17	108
Freight Forwarder Traffic	------	------	1	2,000
Shipper Ass'n., Etc., Traffic	------	------	------	------
Other Mixed Misc. Shipments	------	------	83	1,578
TOTAL CL & TON TRAFFIC	159,145	14,209,997	48,677	4,416,574

TABLE 6.22--Continued

Commodity	Chicago & NW*		Total All Railroads	
	C.L.	Tons	C.L.	Tons
Farm Products	176	12,931	134,617	12,283,575
Forest Products	------	------	0	0
Fresh Fish & Marine Products	------	------	0	0
Metallic Ores	------	------	0	0
Coal	------	------	0	0
Crude Oil, Nat. Gasoline & Gas	------	------	38,495	3,517,560
Nonmet. Minerals, Exc. Fuels	------	------	0	0
Ordnance & Accessories	------	------	1,060	102,074
Food & Kindred Products	------	------	0	0
Tobacco Products	------	------	21,087	1,633,466
Textile Mill Products	------	------	0	0
Finished Textile Products	------	------	0	0
Lumber & Prod., Exc. Furniture	------	------	135	8,021
Furniture & Fixtures	------	------	0	0
Pulp, Paper & Allied Products	------	------	42	2,321
Printed Matter	------	------	0	0
Chemicals & Allied Products	------	------	8,001	790,191
Petroleum & Coal Products	------	------	3,430	232,026
Rubber & Miscellaneous	------	------	0	0
Leather & Leather Products	------	------	0	0
Stone,Clay,Glass & Concrete Prod.	------	------	69	3,991
Primary Metal Products	------	------	8	513
Fabricated Metal Prod., Exc. Ordnance, Machry. & Transp.	------	------	6	115
Machinery, Exc. Electrical	------	------	52	1,280
Elec. Mach., Equip. & Supplies	------	------	1	12
Transportation Equipment	------	------	50	1,592
Misc. Products of Manufacturing	------	------	0	0
Time, Photo, & Optical Goods	------	------	0	0
Waste & Scrap Materials	------	------	777	58,144
Misc. Freight Shipments	------	------	6	122
Shipping Containers, Ret. Empty	------	------	78	921
Freight Forwarder Traffic	------	------	1	2,000
Shipper Ass'n., Etc., Traffic	------	------	0	0
Other Mixed Misc. Shipments	------	------	83	1,578
TOTAL CL & TON TRAFFIC	176	12,931	207,998	18,639,502

SOURCE: North Dakota Public Service Commission, Accounting Department, Railroad Freight Commodity Statistics Revenue Freight Originating and Terminating on All Railroads in North Dakota, 1986.

* Ceased N.D. operations on Sept. 5, 1986. This report excludes statistics of subsequent operations by the successor, Dakota Minnesota & Eastern Railroad, which were not available at the time of this report.

TABLE 6.21

ASSETS, OPERATING REVENUE AND EXPENSES, TAXES ASSESSED AND MILES OF ROADBED FOR RAILROADS OPERATING IN NORTH DAKOTA, SELECTED YEARS, 1940-1984

Year	Total Assets ($000)	Operating Revenue Earned In N. Dak. ($000)	System Operating Revenue ($000)	System Operating Expenses ($000)	Taxable Value ($000)	Miles of Road	
						System	N.D.
1940	$3,340,940	$ NA	$408,835	$301,116	$58,416	NA	5,270
1950	3,036,639	NA	877,765	674,439	61,642	38,153	5,190
1960	3,349,116	7,596	899,389	743,300	56,588	39,481	5,197
1965	3,580,932	7,899	1,018,708	801;564	40,169	40,644	5,195
1970	4,508,546	6,369	1,575,187	1,310,631	22,903	49,999	5,165
1975	4,705,288	6,495	2,322,254	1,884,660	18,122	47,480	5,137
1976	4,863,782	9,854	2,695,499	2,158,259	17,248	47,311	5,136
1977	5,112,078	10,434	2,902,310	2,619,045	17,281	46,738	5,116
1978	5,490,965	11,144	3,319,451	2,965,906	17,602	46,257	5,117
1979	5,358,183	10,396	3,939,801	3,581,887	6,924	45,765	5,121
1980	6,367,483	16,940	4,622,660	4,046,422	5,291	45,086	4,966
1981	7,705,556	15,367	15,367	4,829,187	5,329	43,988	4,935
1982	6,584,833	18,467	18,467	4,287,369	5,222	41,328	4,767
1983	8,603,225	19,986	19,986	3,951,268	4,830	40,348	4,756
1984	9,345,807	13,084	13,084	4,047,250	7,093	39,633	4,641

SOURCE: North Dakota Public Service Commission, Annual Report, various years; Proceedings of the State Board of Equalization of North Dakota, various years.

TABLE 6.23

REVENUE FREIGHT TERMINATING ON ALL RAILROADS IN NORTH DAKOTA FOR THE YEAR ENDED DECEMBER 31, 1986
(Showing All Commodities by General Classes)

	Burlington Northern		Soo Line	
Commodity	C.L.	Tons	C.L.	Tons
Farm Products	8,533	744,517	2,917	206,635
Forest Products	------	------	------	------
Fresh Fish & Marine Products	------	------	------	------
Metallic Ores	------	------	------	------
Coal	18,496	1,753,240	14	757
Crude Oil, Nat. Gasoline & Gas	------	------	------	------
Nonmet. Minerals, Exc. Fuels	1,274	110,064	8	566
Ordnance & Accessories	2	68	------	------
Food & Kindred Products	993	52,296	378	23,690
Tobacco Products	2	61	------	------
Textile Mill Products	------	------	------	------
Finished Textile Products	------	------	------	------
Lumber & Prod., Exc. Furniture	812	51,769	90	6,845
Furniture & Fixtures	74	609	16	184
Pulp, Paper & Allied Products	262	14,618	69	3,735
Printed Matter	------	------	------	------
Chemicals & Allied Products	6,009	532,087	2,227	270,122
Petroleum & Coal Products	1,748	136,087	49	2,765
Rubber & Miscellaneous	17	216	1	44
Leather & Leather Products	------	------	------	------
Stone,Clay,Glass & Concrete Prod.	1,228	104,494	118	7,978
Primary Metal Products	105	6,837	8	579
Fabricated Metal Prod., Exc. Ordnance, Machry. & Transp.	5	161	11	618
Machinery, Exc. Electrical	437	8,856	29	562
Elec. Mach., Equip. & Supplies	------	------	------	------
Transportation Equipment	61	1,398	235	5,432
Time, Photo, & Optical Goods	------	------	------	------
Misc. Products of Manufacturing	------	------	------	------
Waste & Scrap Materials	150	13,880	6	437
Misc. Freight Shipments	------	------	1	5
Shipping Containers, Ret. Empty	55	453	17	138
Freight Forwarder Traffic	------	------	------	------
Shipper Ass'n., Etc., Traffic	20	329	------	------
Other Mixed Misc. Shipments	31	535	3,708	34,557
TOTAL CL & TON TRAFFIC	40,314	3,532,575	9,902	565,649

TABLE 6.23--Continued

Commodity	Chicago & NW*		Total All Railroads	
	C.L.	Tons	C.L.	Tons
Farm Products	------	------	11,450	951,152
Forest Products	------	------	0	0
Fresh Fish & Marine Products	------	------	0	0
Metallic Ores	------	------	0	0
Coal	------	------	18,510	1,753,997
Crude Oil, Nat. Gasoline & Gas	------	------	0	0
Nonmet. Minerals, Exc. Fuels	------	------	1,282	110,630
Ordnance & Accessories	------	------	2	68
Food & Kindred Products	------	------	1,371	75,986
Tobacco Products	------	------	2	61
Textile Mill Products	------	------	0	0
Finished Textile Products	------	------	0	0
Lumber & Prod., Exc. Furniture	------	------	902	58,614
Furniture & Fixtures	------	------	90	793
Pulp, Paper & Allied Products	------	------	331	18,353
Printed Matter	------	------	0	0
Chemicals & Allied Products	26	2,389	8,262	804,598
Petroleum & Coal Products	------	------	1,797	138,852
Rubber & Miscellaneous	------	------	18	260
Leather & Leather Products	------	------	0	0
Stone,Clay,Glass & Concrete Prod.	------	------	1,346	112,472
Primary Metal Products	------	------	113	7,416
Fabricated Metal Prod., Exc. Ordnance, Machry. & Transp.	------	------	16	779
Machinery, Exc. Electrical	------	------	466	9,418
Elec. Mach., Equip. & Supplies	------	------	0	0
Transportation Equipment	------	------	296	6,830
Time, Photo, & Optical Goods	------	------	0	0
Misc. Products of Manufacturing	------	------	0	0
Waste & Scrap Materials	------	------	156	14,317
Misc. Freight Shipments	------	------	1	5
Shipping Containers, Ret. Empty	------	------	72	591
Freight Forwarder Traffic	------	------	0	0
Shipper Ass'n., Etc., Traffic	------	------	20	329
Other Mixed Misc. Shipments	------	------	3,739	35,092
TOTAL CL & TON TRAFFIC	26	2,389	50,242	4,100,613

SOURCE: North Dakota Public Service Commission, Accounting Department, Railroad Freight Commodity Statistics Revenue Freight Originating and Terminating on All Railroads in North Dakota, 1986.

*** Ceased N.D. operations on Sept. 5, 1986. This report excludes statistics of subsequent operations by the successor, Dakota Minnesota & Eastern Railroad, which were not available at the time of this report.**

TABLE 6.24

AIRCRAFT DEPARTURES AND NUMBER OF PASSENGERS ENPLANED BY AIRPORT IN NORTH DAKOTA, SELECTED YEARS, 1965-1985

	Bismarck/ Mandan	Devils Lake	Dickinson	Fargo	Grand Forks	Jamestown	Minot	Williston
1965								
Departures	4,780	1,051	-----	4,728	4,925	682	3,144	1,041
Passengers	33,380	1,552	-----	54,597	30,425	2,622	18,706	3,701
1970*								
Departures	5,330	947	-----	6,176	5,590	1,404	1,677	823
Passengers	64,311	2,403	-----	111,909	55,089	9,087	22,922	5,217
1975								
Departures	4,776	345	-----	4,298	4,591	679	2,805	1,047
Passengers	101,524	1,983	-----	127,945	78,623	7,677	59,909	4,037
1981								
Departures	7,160	1,238	1,108	5,449	3,750	1,188	1,814	2,319
Passengers	147,028	2,041	1,729	149,976	78,005	3,597	53,171	11,470
1985								
Departures	4,330	-----	-----	4,330	2,552	-----	2,154	-----
Passengers	136,861	-----	-----	185,078	82,017	-----	64,178	-----

SOURCE: U.S. Dept. of Transportation, Airport Activity Statistics of Certified Route Air Carriers, various years.

* Year ending June 30, all others ending December 31.

TABLE 6.25

NORTH DAKOTA AIRLINE SERVICE CHANGES
(Effective February 1, 1987)

Total Daily Airline Arrival and Departure Flights at North Dakota Cities
(By City and Weekday Totals Only)

	Bismarck	Fargo	Grand Forks	Minot	Devils Lake	Jamestown	Williston	Total
CONTINENTAL AIRLINES AT:	12	4	0	4	0	0	0	20
UNITED AIRLINES AT:	0	4	0	0	0	0	0	4
NORTHWEST AIRLINES AT:	10	10	8	6	0	0	0	34
WESTERN AIRLINES AT:	4	0	0	0	0	0	0	4
BIG SKY AIRLINES AT:	4	0	0	0	0	0	8	12
MESABA AIRLINES AT:	0	2	4	0	4	8	0	18
TOTALS	30	20	12	10	4	8	8	92
SEATS PER DAY:	3188	2744	1100	1228	76	152	152	

SOURCE: North Dakota Aeronautics Commission.

TABLE 6.26

AIRLINE FLIGHT SEATING AVAILABILITY FOR N.D. CITIES AS IMPACTED BY RECENT MERGERS AND DEREGULATION

	AIRLINE FLIGHT CHANGES IN DAILY CAPACITY AT NORTH DAKOTA CITIES			SEATING IMPACT OF RECENT MERGERS		SEATING IMPACT OF DEREGULATION ACT OF 1979	
City	1979 Seats Per Day	1983 Seats Per Day	1987 Seats Per Day	83 VS 87 Absolute Change	83 VS 87 Percentage Change	79 VS 87 Absolute Change	79 VS 87 Percentage Change
Bismarck	4,406	3,264	3,188	-76	-2.3%	-1,288	-27.6%
Devils Lake	416	90	76	-14	-18.4%	-340	-81.7%
Fargo	4,744	3,844	2,744	-1,100	-28.6%	-2,000	-42.2%
Grand Forks	2,896	2,572	1,100	-1,472	-57.2%	-1,796	-62.0%
Jamestown	190	150	152	2	1.3%	-38	-20.0%
Minot	1,274	1,380	1,228	-152	-11.0%	-46	-03.6%
Williston	330	234	152	-82	-35.0%	-178	-53.9%
Total	14,384*	11,534	8,640	-2,894	-25.1%	-5,744	-40.0%

SOURCE: North Dakota Aeronautics Commission.

* Includes Bowman and Dickinson flight activity.

TABLE 6.27

AIRLINE DEREGULATION FLIGHT ACTIVITY CHANGES AT NORTH DAKOTA CITIES (1978-1987)

AIRLINE SEATS PER TYPICAL WEEKDAY COMPARISON AT EACH N.D.CITY

	AIRLINE AIRPORT (Aircraft Seats)					COMMUTER AIRPORT (Aircraft Seats)				
Date	Bismarck	Fargo	Grand Forks	Minot	Airline Daily Seats	Jamestown	Williston	Devils Lake	Commuter Daily Seats	Total Daily Seats
NOV. '78	3,122	3,624	2,624	1,322	10,692	512	170	192	874	11,566
JUL. '79	4,406	4,744	2,896	1,274	13,448	190	330	416	936	14,384
FEB. '82	3,324	3,944	2,266	1,156	10,826	136	331	136	603	11,429
FEB. '83	3,264	3,844	2,572	1,380	11,060	150	234	90	474	11,534
MAR. '84	3,574	3,570	2,538	1,538	11,220	90	240	60	390	11,610
FEB. '87	3,188	2,744	1,100	1,228	8,260	152	152	76	380	8,640

SOURCE: North Dakota Aeronautics Commission.

TABLE 6.27--Continued

AIRLINE TYPICAL WEEKDAY TOTAL ARRIVAL AND DEPARTURE FLIGHTS BY CARRIER

	AIRLINE (Flights)							COMMUTER (Flights)								
Date	NW	RC	CO	FR	UA	WE	Airline Daily Flt/Day	BS	PO	ME	NO	AW	RW	NC	Daily Commuter Flt/Day	Total ARR+ DEPT
NOV. '78	24	56	0	40	0	0	120	0	0	0	0	0	0	2	2	122
JUL. '79	29	68	0	50	0	0	147	0	0	0	0	14	44	0	58	205
FEB. '82	28	30	0	28	0	0	86	51	6	0	0	0	0	0	57	143
FEB. '83	29	30	0	26	0	0	85	36	6	0	8	0	0	0	50	135
MAR. '84	28	32	0	28	0	4	92	14	6	10	12	0	0	0	42	134
FEB. '87	34	0	20	0	4	4	64	12	0	18	0	0	0	0	30	94

CODE: AW - Air Wisconsin, BS - Big Sky, CO - Continental, FR - Frontier, ME - Mesaba, NC - Norcanair, NO - Northern, NW - Northwest, PO - Pioneer, RC - Republic, RW - Real West, UA - United, WE- Western.

SOURCE: North Dakota Aeronautics Commission.

TABLE 6.28

1986 AIRLINE PASSENGER ENPLANEMENTS COMPARED WITH 1985 CALENDAR YEAR

City	1986 Passenger Enplanements	1985 Passenger Enplanements	1986 Increase or Decrease Compared with 1985	Percentage Increase or Decrease
Bismarck	144,195[1]	137,265	+6,930	+5.05%
Devils Lake	1,687	1,201	+486	+40.47%
Dickinson	100[2]	1,599	-1,499	-93.74%
Fargo	225,964[1]	185,565	+40,399	+21.77%
Grand Forks	82,980	82,900	+80	+0.09%
Jamestown	3,676	3,403	+273	+8.02%
Minot	75,442[1]	63,956	+11,486	+17.96%
Williston	5,103	7,740	-2,637	-34.07%
TOTALS	539,147	483,629	+55,518	+11.48%

SOURCE: North Dakota Aeronautics Commission.

[1] Frontier Airlines shut down on August 24, 1986 at Bismarck, Fargo and Minot. Air Service was restored by Continental Airlines at Bismarck and Fargo on November 9, 1986 and to Minot on November 20, 1986 and December 1, 1986.

[2] Pioneer Airlines discontinued service at Dickinson on January 31, 1986.

TABLE 6.30

NORTH DAKOTA AIRPORTS WITH AIRLINE SERVICE
PASSENGER ENPLANEMENTS AND DEPLANEMENTS
1979-1986

Calendar Year	Enplaned	Deplaned	"On and Off"	CY % Change
1979[3]	575,407	570,559	1,145,966	---
1980[2]	517,367	517,925	1,035,292	-9.7%
1981[2]	437,688	437,306	874,994	-15.5%
1982[2]	393,033	391,611	784,644	-10.3%
1983[1]	419,882	418,309	838,191	+6.8%
1984[1]	420,960	471,753	838,713	+0.1%
1985[2]	483,629	482,749	966,378	+15.2%
1986[2]	539,147	537,310	1,076,457	+11.4%

SOURCE: N. D. Aeronautics Commission.

[1] Cities of Bismarck, Devils Lake, Fargo, Grand Forks, Jamestown, Minot and Williston.

[2] Cities of Bismarck, Devils Lake, Fargo, Grand Forks, Jamestown, Minot, Williston and Dickinson.

[3] Cities of Bismarck, Devils Lake, Fargo, Grand Forks, Jamestown, Minot, Williston, Dickinson and Bowman.

7.00

COMMUNICATIONS

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TABLE 7.01

OPERATING STATISTICS OF CLASS "A" AND "B" TELEPHONE COMPANIES,[1] NORTH DAKOTA OPERATIONS ONLY, 1979-1984*

Company	Operating Revenues (In Thousands)			
	1980	1981	1982	1984
Griggs County Tele.	$437.8	$482.9	$570.6	$666.8
Inter-Community Tele.[2]	519.8	551.3	785.9	956.4
Midstate Tele.	735.2	904.3	1,053.1	1,111.3
Moore & Liberty Tele.	180.1	191.9	268.8	375.5
North Dakota Tele.	4,361.2	4,909.9	6,329.8	6,454.4
Northern States Power	7,174.2	7,891.0	9,432.4	10,987.2
Northwestern Bell Tele.[3]	149,219.7	165,956.8	185,097.8	167,588.4

Company	Operating Expenses (In Thousands)			
	1980	1981	1982	1984
Griggs County Tele.	$321.3	$358.1	$437.6	$567.7
Inter-Community Tele.[2]	442.4	516.3	705.0	759.3
Midstate Tele.	597.3	759.2	911.8	1,036.7
Moore & Liberty Tele.	143.0	147.1	196.1	307.2
North Dakota Tele.	3,258.2	3,708.3	4,782.2	4,966.1
Northern States Power	554.1	6,239.9	7,575.0	9,119.9
Northwestern Bell Tele.[3]	118,603.0	132,420.0	147,608.7	132,990.2

Company	Telephones Owned			
	1979	1980	1981	1982
Griggs County Tele.	$1,974	$1,769	$2,013	$2,043
Inter-Community Tele.[2]	1,765	1,805	1,847	1,885
Midstate Tele.	2,203	2,357	2,448	2,562
Moore & Liberty Tele.	1,044	1,043	1,070	1,114
North Dakota Tele.	15,271	15,858	13,218	11,618
Northern States Power	34,208	35,610	36,195	35,363
Northwestern Bell Tele.[3]	419,597	432,752	433,673	417,358

TABLE 7.01--Continued

Company	Revenue/Telephone 1981	Revenue/Telephone 1982	Plant-in-Service/Tele. 1981	Plant-in-Service/Tele. 1982
Griggs County Tele.	$239.87	$279.30	$693.56	$724.21
Inter-Community Tele.	298.50	416.92	1,752.11	1,757.28
Midstate Tele.	369.39	411.04	903.50	972.10
Moore & Liberty Tele.	179.31	241.30	818.46	909.93
North Dakota Tele.	371.46	544.82	1,325.22	1,625.68
Northern States Power	218.01	266.73	736.01	762.33
Northwestern Bell Tele.	382.68	443.50	1,053.64	1,184.79

Company	Number of Access Lines 1984	Revenue/ Access Line 1984	Plant-in-Service/ Access Line 1984
Griggs County Tele.	1,500	$444.56	$1,053.90
Inter-Community Tele.	1,235	774.39	2,730.11
Midstate Tele.	1,474	753.91	1,847.18
Moore & Liberty Tele.	768	488.98	2,335.27
North Dakota Tele.	9,360	689.57	2,165.45
Northern States Power	20,392	538.80	1,274.68
Northwestern Bell Tele.[4]	242,954	689.79	1,811.78

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Data for 1983 was not published.

[1] Class "A" companies have annual operating revenues greater than $250,000; Class "B" company revenues between $100,000 - $250,000.

[2] Excludes autovan operations.

[3] Telephones owned includes 43,661, 44,519, 43,809 and 41,678 in Minnesota but maintained out of North Dakota for 1979 and 1980, 1981 and 1982 respectively.

[4] Includes 25,069 phones located in Minnesota but maintained out of North Dakota Exchanges.

TABLE 7.02

OPERATING STATISTICS OF REA-FINANCED RURAL TELEPHONE COOPERATIVES, NORTH DAKOTA OPERATIONS ONLY, 1981-1984

	Operating Revenues (In Thousands)			
Cooperative	1981	1982	1983	1984
Bek Tele. Mutual Aid Corp.	$1,439.1	$1,539.8	$1,678.0	$1,664.2
Consolidated Tele. Coop.	2,234.5	2,959.9	3,134.6	2,986.0
Dak. Central Rural Tele.	1,303.2	1,342.4	1,408.9	1,439.5
Dickey Rural Tele. Mutual Aid Corp.	1,209.6	1,658.3	1,623.4	1,637.7
Northwest Mutual Aid Tele.	1,533.0	1,907.8	1,914.1	2,126.2
Polar Rural Tele. Mutual Aid Corp.	3,600.9	3,867.9	3,469.9	3,571.0
Red River Rural Tele.	266.7	315.2	319.9	369.8
Reservation Tele.	2,150.7	2,332.7	2,486.5	2,845.1
Souris River Tele. Mutual Aid Corp.[1]	4,963.4	5,253.0	5,430.0	5,920.0
United Tele. Mutual Aid Corp.	1,394.9	1,465.2	1,606.8	1,575.7
West River Mutual Aid Tele.	3,464.0	3,725.8	4,428.9	4,797.0
Other Minor Operations in N.D.[2]	261.8	270.1	251.1	288.7

	Operating Expenses (In Thousands)			
Cooperative	1981	1982	1983	1984
Bek Tele. Mutual Aid Corp.	$11,553.3	$1,279.1	$1,276.0	$1,364.4
Consolidated Tele. Coop.	1,844.4	2,341.4	2,362.1	2,386.2
Dak. Central Rural Tele.	1,038.0	1,102.5	1,279.6	1,275.6
Dickey Rural Tele. Mutual Aid Corp.	1,236.5	1,389.6	1,475.9	1,601.3
Northwest Mutual Aid Tele.	1,169.5	1,354.3	1,492.9	1,583.9
Polar Rural Tele. Mutual Aid Corp.	2,879.3	3,134.3	2,979.8	2,939.1
Red River Rural Tele.	234.2	274.2	265.3	336.4
Reservation Tele.	1,649.1	1,823.5	1,948.0	2,252.7
Souris River Tele. Mutual Aid Corp.[1]	3,841.8	4,178.5	4,328.9	4,672.1
United Tele. Mutual Aid Corp.	1,003.0	1,266.1	1,320.2	1,380.1
West River Mutual Aid Tele.	2,441.7	2,892.4	3,463.0	3,718.4
Other Minor Operations in N.D.[2]	185.1	207.6	213.3	245.0

	Telephones Owned[3]			
Cooperative	1981	1982	1983	1984
Bek Tele. Mutual Aid Corp.	5,647	5,741	3,699	3,705
Consolidated Tele. Coop.	6,564	6,655	3,978	3,951
Dak. Central Rural Tele.	3,890	3,861	2,279	2,251
Dickey Rural Tele. Mutual Aid Corp.	4,753	4,751	2,685	2,657
Northwest Mutual Aid Tele.	5,947	5,999	3,613	3,142
Polar Rural Tele. Mutual Aid Corp.	14,564	14,685	7,960	7,800
Red River Rural Tele.	1,645	1,759	794	840
Reservation Tele.	7,060	7,316	4,094	4,216
Souris River Tele. Mutual Aid Corp.[1]	13,218	13,408	11,502	11,425
United Tele. Mutual Aid Corp.	7,285	7,287	4,470	4,407
West River Mutual Aid Tele.	13,009	14,721	9,136	8,968
Other Minor Operations in N.D.[2]	670	670	322	386

TABLE 7.02--Continued

Cooperative	Revenue Per Telephone[4] 1981	1982	1983	1984
Bek Tele. Mutual Aid Corp.	$254.84	$268.21	$453.65	$449.19
Consolidated Tele. Coop.	340.42	444.77	787.98	755.77
Dak. Central Rural Tele.	335.00	347.67	618.21	639.48
Dickey Rural Tele. Mutual Aid Corp.	254.49	349.05	604.64	616.39
Northwest Mutual Aid Tele.	257.78	318.02	529.78	676.72
Polar Rural Tele. Mutual Aid Corp.	247.25	263.39	435.92	457.82
Red River Rural Tele.	162.12	179.16	402.96	440.21
Reservation Tele.	304.63	318.84	607.36	674.84
Souris River Tele. Mutual Aid Corp.[1]	375.50	391.78	472.09	518.16
United Tele. Mutual Aid Corp.	191.48	201.07	359.45	357.54
West River Mutual Aid Tele.	266.28	253.09	484.77	534.89
Other Minor Operations in N.D.[2]	390.75	403.09	779.96	747.85

Cooperative	Plant-in-Service Per Telephone[5] 1981	1982	1983	1984
Bek Tele. Mutual Aid Corp.	$1,592.86	$1,598.77	$2,534.38	$2,761.03
Consolidated Tele. Coop.	1,876.91	1,919.22	3,443.53	3,716.32
Dak. Central Rural Tele.	1,570.55	1,682.04	2,877.03	3,023.83
Dickey Rural Tele. Mutual Aid Corp.	1,558.43	1,608.51	2,929.99	2,963.07
Northwest Mutual Aid Tele.	1,172.31	1,225.48	2,088.33	2,897.03
Polar Rural Tele. Mutual Aid Corp.	1,168.77	1,189.66	2,143.33	2,177.43
Red River Rural Tele.	955.80	985.35	1,998.44	2,222.26
Reservation Tele.	1,484.44	1,478.41	2,853.43	3,085.34
Souris River Tele. Mutual Aid Corp.[1]	1,525.70	1,563.83	1,965.92	2,257.98
United Tele. Mutual Aid Corp.	1,174.76	1,250.01	2,031.38	2,073.12
West River Mutual Aid Tele.	994.09	961.98	1,781.30	1,853.31
Other Minor Operations in N.D.[2]	2,013.29	2,025.78	3,792.91	3,710.52

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] Excludes military operations at Minot Air Force Base.

[2] Includes Halstad Telephone Co., Mid-Rivers Telephone Co-op, Inc., Nemont Telephone Co-op, Inc., and Roberts County Telephone Co-op Assn.

[3] Changes to number of access lines in 1983.

[4] Changes to revenue per access Line in 1983.

[5] Title changes to Plant-in-Service Per Access Line in 1983.

TABLE 7.03

OPERATING STATISTICS OF CLASS "C" AND "D" TELEPHONE COMPANIES,* NORTH DAKOTA OPERATIONS ONLY, 1977-1984

Class "C" and "D" Companies	1977	1978	1979	1980	1981	1982	1983	1984
Number of Companies Reporting	5	5	5	5	5	5	5	5
Number of Telephones in Use[1]	1,244	1,266	1,296	1,339	$1,386	$1,405	$824	$803
Operating Revenues	$225,154	$246,225	$265,594	$262,471	$282,960	$327,426	$376,199	$433,065
Operating Expenses	$226,751	$218,295	$231,815	$237,874	$241,022	$299,312	$353,184	$392,290
Average Revenue Per Telephone[2]	$180.99	$194.49	$204.93	$196.02	$204.16	$233.04	$456.55	$539.31

SOURCE: North Dakota Public Service Commission, Annual Report, 1978-1984.

* Class "C" companies have operating revenues between $50,000 - $100,000; Class "D" companies are those with revenues below $50,000.

[1] Changes to number of access lines in use in 1983.

[2] Changes to average revenue per access line in 1983.

TABLE 7.04

LONG DISTANCE TELEPHONE CALL RATES: BISMARCK TO OTHER NORTH DAKOTA CITIES AND TO SELECTED UNITED STATES CITIES*

From Bismarck to -	Direct Dial	Operated-Assisted	
		Station-to-station	Person-to-person
Bottineau	$1.96	$3.16	$4.46
Bowman	1.92	3.12	4.42
Devils Lake	1.91	3.11	4.91
Dickinson	1.91	3.11	4.41
Fargo	2.01	3.21	5.01
Grand Forks	2.01	3.21	5.01
Harvey	1.76	2.96	4.76
Jamestown	1.91	3.11	4.91
Minot	1.91	3.11	4.91
Valley City	1.96	3.16	4.96
Wahpeton	2.01	3.21	5.01
Williston	1.96	3.16	4.96
Boston	2.01	3.06	4.51
Chicago	1.96	3.05	4.50
Dallas	1.51	3.06	4.51
Denver	1.50	3.05	4.50
Los Angeles	1.51	3.06	4.51
Miami	1.51	3.06	4.51
Minneapolis/St. Paul	1.40	2.95	4.40
New York	1.51	3.06	4.51
Omaha	1.50	3.05	4.50
St. Louis	1.50	3.05	4.50
Seattle	1.50	3.05	4.50
Sioux Falls	1.40	2.95	4.40

SOURCE: Northwestern Bell Telephone Company, Directory Information, and AT&T Information Services.

* Rates are based upon a five-minute call placed weekdays between 8:00 a.m. and 5:00 p.m. Northwestern Bell intrastate rates became effective January 1, 1984 while the AT&T intrastate rates became effective July 1, 1987. All rates are subject to change.

TABLE 6.29

1986 PERCENTAGE OF PASSENGER BOARDINGS PER AIRLINE IN NORTH DAKOTA

City	North-west	Republic	Frontier	Western	Conti-nental	United	Big Sky	Mesaba	Republic Express	Pioneer
Fargo	54.1	18.6	10.8	--	2.4	14.1	--	--	--	--
Bismarck	41.7	17.9	17.9	15.3	4.4	--	2.4	--	--	0.4
Grand Forks	71.1	26.2	--	--	--	--	--	1.5	1.2	--
Minot	18.2	44.4	33.6	--	3.8	--	--	--	--	--
Williston	--	--	--	--	--	--	97.1	--	--	2.9
Dickinson	--	--	--	--	--	--	--	--	--	100.0
Devils Lake	--	--	--	--	--	--	--	100.0	--	--
Jamestown	--	--	--	--	--	--	--	100.0	--	--

STATE-WIDE TOTAL BOARDING PERCENTAGE BY AIRLINE

Northwest	Republic	Frontier	Western	Continental	United	Big Sky	Mesaba	Republic Express	Pioneer
47.40	22.85	14.01	4.12	2.71	5.85	1.55	1.20	0.16	0.15

STATE-TOTAL BOARDING PERCENTAGE BY CITY

Fargo	Bismarck	Grand Forks	Minot	Williston	Jamestown	Devils Lake	Dickinson
41.91	26.75	15.39	13.99	0.95	0.68	0.31	0.02

SOURCE: N. D. Aeronautics Commission. Republic Airlines operated from January to October (9 months) and merged with Northwest Airlines on October 1, 1986. Frontier discontinued service system-side on August 24, 1986. Continental Airlines inaugurated service November 8, 1986 at Bismarck and Fargo and November 20th, 1986, at Minot. Pioneer suspended service to Dickinson and Williston on January 31, 1986. Inaugurated service at Bismarck on February 1, 1986 and discontinued operations on May 1, 1986.

TABLE 7.05

NORTH DAKOTA DAILY NEWSPAPERS

City	Zip Code	County	Newspaper	Publisher or Manager	Circulation	Issue Days
Bismarck	58501	Burleigh	Bismarck Tribune	Mr. William Roesgen	28,313	Mon. thru Sun.
Devils Lake	58301	Ramsey	Devils Lake Daily Journal	Mr. Michael Bell	5,429	Mon. thru Fri.
Dickinson	58601	Stark	Dickinson Press	Mr. Ed Hauck	9,086	Tues. thru Sun
Fargo	58107	Cass	The Forum	Mr. William C. Marcil	69,248	M & E com & S
Grand Forks	58201	Grand Forks	Grand Forks Herald	Mr. Michael Maidenberg	40,621	Mon. thru Sun.
Jamestown	58401	Stutsman	Jamestown Sun	Mr. Gordon Hansen	11,171	Mon.thru Sat.
Minot	58701	Ward	Minot Daily News	Mr. Raymond C. Dobson	29,981	Mon. thru Sat.
Valley City	58072	Barnes	Valley City Times Record	Mr. Dick Plum	3,979	Mon. thru Fri.
Wahpeton	58075	Richland	The Daily News	Mr. Newell C. Grant	6,922	Mon. thru Fri.
Williston	58801	Williams	Williston Herald	Mr. Frank Brady	8,793	Sun. thru Fri.
		Total			213,543	

SOURCE: North Dakota Newspaper Association, North Dakota Newspaper Directory, 1985.

TABLE 7.06

NORTH DAKOTA WEEKLY AND SEMI-WEEKLY NEWSPAPERS

City and Zip Code	Newspaper	Circulation*	Issue Days
Adams 58210	Adams Standard	457	Thursday
Aneta 58212	Aneta Star	531	Thursday
Ashley 58413	Ashley Tribune	1,955	Thursday
Beach 58621	Golden Valley News	2,087	Thursday
Beulah 58523	Beulah Beacon	3,340	Thursday
Bottineau 58318	Bottineau Courant	4,586	Tuesday
Bowbells 58721	Burke County Tribune	1,767	Wednesday
Bowman 58623	Bowman County Pioneer	2,349	Wednesday
Cando 58324	Towner County Record-Herald	3,016	Thursday
Carrington 58421	Foster County Independent	3,175	Wednesday
Carson 58529	Carson Press	1,098	Wednesday
Casselton 58012	Cass County Reporter	3,942	Thursday
Cavalier 58220	Cavalier Chronicle	3,100	Thursday
Center 58530	Center Republican	998	Wednesday
Cooperstown 58425	Griggs County Sentinel-Courier	2,036	Wednesday
Crosby 58730	The Journal	3,504	Wednesday
Drayton 58225	Drayton Express	670	Thursday
Drayton 58225	Valley News & Views	958	Wednesday
Edgeley 58433	Edgeley Mail	1,424	Wednesday
Edmore 58330	Edmore Herald	627	Thursday
Elgin 58533	Grant County News	1,571	Wednesday
Ellendale 58436	Dickey County Leader	2,469	Thursday
Enderlin 58027	Enderlin Independent	1,600	Thursday
Fairmount 58030	Fairmount News	340	Wednesday

TABLE 7.06--Continued

City and Zip Code	Newspaper	Circulation*	Issue Days
Finley 58230	Steele County Press	1,550	Wednesday
Fordville 58341	Tri-County Sun	779	Thursday
Fort Yates 58538	The Dakota Sun	1,232	Thursday
Gackle 58442	Pioneer Press	854	Wednesday
Garrison 58540	McLean County Independent	4,353	Wednesday
Glen Ullin 58631	Glen Ullin Times	900	Thursday
Grafton 58237	The Grafton Record	5,655	Saturday & Wednesday
Hankinson 58041	Hankinson News	1,900	Wednesday
Harvey 58341	The Herald Press	5,200	Wednesday
Hatton 58240	Free Press	886	Wednesday
Hazen 58545	Hazen Star	2,463	Thursday
Hebron 58638	Hebron Herald	1,330	Wednesday
Hettinger 58639	Adams County Record	2,301	Wednesday
Hillsboro 58045	Hillsboro Banner	1,675	Thursday
Kenmare 58746	Kenmare News	2,275	Wednesday
Killdeer 58640	Dunn County Herald	1,797	Wednesday
Kulm 58456	Kulm Messenger	1,066	Wednesday
Lakota 58344	Lakota American	1,731	Wednesday
LaMoure 58458	LaMoure Chronicle	1,450	Wednesday
Langdon 58249	Cavalier County Republican	3,010	Tuesday
Larimore 58251	Larimore Leader	860	Thursday
Larimore 58251	The Larimore Pioneer	1,141	Wednesday
Ligerwood 58053	The Monitor	1,573	Thursday

TABLE 7.06--Continued

City and Zip Code	Newspaper	Circulation*	Issue Days
Linton 58552	Emmons County Record	4,057	Wednesday
Lisbon 58054	Ransom County Gazette	3,090	Thursday
Litchville 58461	Litchville Bulletin	1,665	Wednesday
Mandan 58554	Mandan News	3,715	Sunday
Marmarth 58643	Slope Messenger	974	Thursday
Mayville 58257	Traill County Tribune	3,022	Wednesday
McClusky 58463	McClusky Gazette	1,396	Thursday
McVille 58255	McVille Messenger	724	Thursday
Medora 58645	Billings County Pioneer	1,008	Thursday
Michigan 58259	Nelson County Arena	1,144	Thursday
Milnor 58060	The Teller	2,279	Wednesday
Minnewaukan 58351	Benson County Farmers Press	4,132	Thursday
Mohall 58761	Renville County Farmer	1,859	Wednesday
Mott 58646	Mott Pioneer Press	1,411	Wednesday
Napoleon 58561	Napoleon Homestead	2,447	Wednesday
New England 58647	Hettinger County Herald	1,046	Thursday
New Rockford 58356	New Rockford Transcript	2,340	Wednesday
New Salem 58563	New Salem Journal	1,623	Wednesday
New Town 58763	New Town News	1,450	Thursday
Northwood 58267	The Gleaner, Including The McVille Journal	1,750	Thursday
Oakes 58474	Oakes Times	1,975	Thursday
Park River 58270	Walsh County Press	3,950	Tuesday
Parshall 58770	Mountrail County Record	1,265	Wednesday
Pembina 58271	Pembina New Era	963	Tuesday
Rolla 58367	Turtle Mountain Star	4,092	Monday

TABLE 7.06--Continued

City and Zip Code	Newspaper	Circulation*	Issue Days
Rugby 58368	Pierce County Tribune	4,889	Wednesday
Stanley 58784	Mountrail County Promotor	2,550	Wednesday
Steele 58482	Steele Ozone-Press	1,804	Wednesday
Tiogo 58852	Tioga Tribune	2,160	Wednesday
Towner 58788	Mouse River Farmers Press	2,233	Wednesday
Turtle Lake 58575	McLean County Journal	1,066	Thursday
Underwood 58576	Underwood News	1,116	Wednesday
Velva 58790	McHenry County Journal-Register	1,843	Wednesday
Walhalla 58282	Walhalla Mountaineer	1,586	Tuesday
Washburn 58577	Washburn Leader	2,115	Wednesday
Watford City 58854	McKenzie County Farmer	2,882	Wednesday
West Fargo 58078	West Fargo Pioneer	2,308	Wednesday
Westhope 58793	Westhope Standard	1,650	Wednesday
Wilton 58579	Wilton News	1,389	Wednesday
Wishek 58495	Wishek Star	1,811	Wednesday

SOURCE: North Dakota Newspaper Association, North Dakota Newspaper Directory, 1985.

* Total circulation of weekly and semi-weekly newspapers is 178,368.

TABLE 7.07

NORTH DAKOTA OFFICIAL* COUNTY NEWSPAPERS, 1985

County	Newspaper	City
Adams	Adams County Record	Hettinger
Barnes	Valley City Times Record	Valley City
Benson	Benson County Farmers Press	Minnewaukan
Billings	The Billings County Pioneer	Medora
Bottineau	Bottineau Courant	Bottineau
Bowman	Bowman County Pioneer	Bowman
Burke	Burke County Tribune	Bowbells
Burleigh	The Bismarck Tribune	Bismarck
Cass	The Forum	Fargo
Cavalier	Cavalier County Republican	Langdon
Dickey	Dickey County Leader	Oakes
Divide	The Journal	Crosby
Dunn	Dunn County Herald	Killdeer
Eddy	The New Rockford Transcript	New Rockford
Emmons	Emmons County Record	Linton
Foster	Foster County Independent	Carrington
Golden Valley	Golden Valley News	Beach
Grand Forks	Grand Forks Herald	Grand Forks
Grant	Grant County News	Elgin
Griggs	Griggs County Sentinel-Courier	Cooperstown
Hettinger	Mott Pioneer Press	Mott
Kidder	The Steele Ozone-Press	Steele
LaMoure	Edgeley Mail	Edgeley
Logan	Napoleon Homestead	Napoleon
McHenry	Mouse River Farmers Press	Towner
McIntosh	Ashley Tribune	Ashley
McKenzie	McKenzie County Farmer	Watford City
McLean	McLean County Independent	Garrison
Mercer	Beulah Beacon	Beulah
Morton	Mandan News	Mandan
Mountrail	Mountrail County Promoter	Stanley
Nelson	The Lakota American	Lakota
Oliver	Center Republican	Center
Pembina	Cavalier Chronicle	Cavalier
Pierce	Pierce County Tribune	Rugby

Table 7.07--Continued

County	Newspaper	City
Ramsey	Devils Lake Daily Journal	Devils Lake
Ransom	Ransom County Gazette	Lisbon
Renville	Renville County Farmer	Mohall
Richland	Daily News	Wahpeton
Rolette	Turtle Mountain Star	Rolla
Sargent	Milnor Teller	Milnor
Sheridan	The McClusky Gazette	McClusky
Sioux	Dakota Sun	Fort Yates
Slope	The Slope Messenger	Marmarth
Stark	Dickinson Press	Dickinson
Steele	Steele County Press	Finley
Stutsman	The Jamestown Sun	Jamestown
Towner	Towner County Record-Herald	Cando
Traill	Traill County Tribune	Hillsboro
Walsh	The Grafton Record	Grafton
Ward	Minot Daily News	Minot
Wells	The Herald-Press	Harvey
Williams	Williston Herald	Williston

SOURCE: North Dakota Newspaper Association, North Dakota Newspaper Directory, 1985.

* Newspaper in which public legal notices are published.

TABLE 7.08

COMMERCIAL BROADCAST STATIONS IN NORTH DAKOTA, 1955-1987

Year	Radio Stations *		Television Stations*
	AM	FM	
1955	15	--	4
1956	15	--	6
1957	16	--	7
1958	16	--	8
1959	18	--	9
1960	19	--	10
1961	20	--	11
1962	22	--	11
1963	22	--	11
1964	22	--	11
1965	22	--	10
1966	22	1	10
1967	23	4	10
1968	25	5	11
1969	27	9	11
1970	27	11	12
1971	27	10	12
1972	27	10	12
1973	27	10	12
1974	26	9	12
1975	26	8	12
1976	26	13	11
1977	26	11	11
1978	26	12	11
1979	26	10	11
1980	28	10	13
1981	32	12	12
1982	30	14	13
1983	31	16	14
1984	30	21	14
1985	33	26	17
1986	33	28	16
1987	34	28	16

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years; and Broadcasting Cablecasting Yearbook 1981-1987, Storer Broadcasting Company.

* As of January 1 of year indicated; excludes public broadcasting stations.

TABLE 7.09

LOCATION AND CALL LETTERS OF NORTH DAKOTA RADIO AND TELEVISION STATIONS, 1987

AM Radio Stations

Call Letter*	Location	Call Letter*	Location
KHOL 1978	Beulah	KQDJ 1954	Jamestown
KBMR 1958	Bismarck	KSJB 1937	Jamestown
KLXX 1925	Bismarck	KNDK 1967	Langdon
KFYR 1925	Bismarck	KQLX 1984	Lisbon
KPOK 1980	Bowman	KMAV 1967	Mayville
KDAK 1961	Carrington	KCJB 1950	Minot
KDLR 1925	Devils Lake	KHRT 1957	Minot
KDIX 1947	Dickinson	KKOA 1929	Minot
KLTC 1978	Dickinson	KTYN 1968	Minot
KFGO 1948	Fargo	KRRZ 1929	Minot
KFNW 1955	Fargo	KDDR 1959	Oakes
KQWB 1960	Fargo	KZZJ 1961	Rugby
WDAY 1922	Fargo	KTGO 1967	Tioga
KXPO 1958	Grafton	KOVC 1936	Valley city
KFJM 1923	Grand Forks	KKWC (1)	Watford
KKXL 1941	Grand Forks	KEYZ 1948	Williston
KNOX 1947	Grand Forks	KQSR (1)	Williston
KHND 1981	Harvey	KWSK 1982	Wishek
KNDC 1954	Hettinger		

FM Radio Stations

Call Letter*	Location	Call Letter*	Location
KEYA 1975	Belcourt	KXXL 1975	Grand Forks
KQDY 1968	Bismarck	KSJM 1969	Jamestown
KCND 1981	Bismarck	KQDJ 1984	Jamestown
KYYY 1966	Bismarck	KQLX 1986	Lisbon
KBYZ (2)	Bismarck	KNDR 1977	Mandan
KBTO 1980	Bottineau	KMAV 1977	Mayville
KDVL 1967	Devils Lake	KHHT 1966	Minot
KZZY 1984	Devils Lake	KMPR 1983	Minot
KRRB 1983	Dickinson	KBQQ 1984	Minot
KDSU 1966	Fargo	KZPR (1)	Minot
KFNW 1965	Fargo	KIZZ 1978	Minot
WDAY 1965	Fargo	KDDR 1986	Oakes
KFGO 1984	Fargo	KZZJ (1)	Rugby
KRRZ 1984	Fargo	KFRM 1983	Valley City
KMHA 1983	Four Bears	KYYZ 1979	Williston
KXPO 1984	Grafton	KPPR 1986	Williston
KFJM 1976	Grand Forks	KDSR 1985	Williston
KJKJ 1985	Grand Forks	KWYL (1)	Williston
KNOX 1967	Grand Forks		

TABLE 7.09--Continued

Television Stations

Call Letter*	Channel	Year	Location
KBME	Channel 3[2]	1979	Bismarck
KFYR	Channel 5	1953	Bismarck
KXMB	Channel 12	1955	Bismarck
KBMY	Channel 17	1985	Bismarck
WDAZ	Channel 8	1967	Devils Lake
KDSE	Channel 9[2]	1982	Dickinson
KXMA	Channel 2	1956	Dickinson
KQCD	Channel 7	1980	Dickinson
KFME	Channel 13[2]	1964	Fargo
KTHI	Channel 11	1959	Fargo
KXJB	Channel 4	1954	Fargo
WDAY	Channel 6	1953	Fargo
KVRR	Channel 15	1983	Fargo
KGFE	Channel 2[2]	1974	Grand Forks
KTHI	Licensed to Fargo		Grand Forks
WDAZ	Licensed/Devils Lake		Grand Forks
KXMB	Licensed to Bismarck		Mandan
KMOT	Channel 10	1958	Minot
KSRE	Channel 6[2]	1979	Minot
KXMC	Channel 13	1953	Minot
KMCY	Channel 14	1985	Minot
KNRR	Channel 12	1985	Pembina
KXJB	Licensed to Fargo		Valley City
KUMV	Channel 8	1957	Williston
KXMD	Channel 11	1969	Williston
KWSE	Channel 4	1983	Williston

SOURCE: Broadcasting Cablecasting, Yearbook 1987, Storer Broadcasting Company.

* Initial licensing date.

(1) Target date unknown.

(2) Licensee Prairie Public Television.

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AGRICULTURE

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TABLE 8.01

LAND UTILIZATION IN NORTH DAKOTA, SELECTED YEARS, 1930-1982

Census Year[1]	Total Cropland (acres)	Cropland used for Pasture (acres)[2]	Harvested Cropland (acres)	Other Cropland (acres)	Total Wood-land (acres)	Other Land and Pasture (acres)	Irri-gated Land (acres)	Total Land in Farms (acres)
1930	27,710,796	3,182,676	21,254,660	3,273,406	557,742	10,389,356	10,651[3]	38,657,894
1935	27,135,655	2,732,525	9,348,482	15,054,648	575,435	11,407,046	11,759[4]	39,118,136
1940	27,100,920	3,622,528	15,536,632	7,941,760	385,957	10,449,259	19,975	37,936,136
1945	25,102,923	709,815	20,816,814	3,576,294	473,998	15,424,237	22,814	41,001,158
1950	27,627,872	935,210	20,352,760	6,339,902	729,343	12,836,029	35,294	41,194,044
1954	27,699,621	754,500	21,241,135	5,703,986	551,579	13,625,724	37,672	41,876,924
1959	27,706,756	755,888	19,357,711	7,593,157	456,795	13,302,166	47,656	41,465,717[5]
1964	27,446,025	848,375	17,695,500	8,902,150	387,830	14,883,650	50,548	42,717,500
1969	29,458,878	1,888,933	17,174,891	10,395,054	441,791	13,217,162	63,238	43,117,831
1974	29,185,095	2,269,832	19,207,401	7,707,862	502,217	12,700,112	70,891	42,387,424
1978	28,605,570	1,602,427	18,978,609	8,024,542	418,456	12,678,336	141,434	41,702,370
1982	28,115,546	1,574,580	20,308,135	6,232,831	396,570	11,693,889	162,643	40,206,005

SOURCE: U.S. Bureau of the Census, Census of Agriculture, various years.

[1] Years 1954 to 1982 refer to the census years. Other years refer to calendar year preceding census.

[2] Not fully comparable for all census years because of differences in definition of cropland used for pasture only.

[3] Includes some duplication where more than one crop harvested from same land.

[4] Irrigated cropland harvested only.

[5] Includes some public lands leased and re-leased by Grazing Associations enumerated as farms in 1964 Census.

TABLE 8.03

FARM REAL ESTATE: INDEX NUMBERS OF AVERAGE VALUE PER ACRE (1977 = 100)

State	1980	1981	1982	1983	1984	1985	1986
Iowa	140	150	139	121	108	77	61
Minnesota	155	179	174	155	144	109	81
Montana	144	149	157	146	149	125	115
Nebraska	134	147	143	129	114	82	67
NORTH DAKOTA	136	144	149	142	142	116	102
South Dakota	151	160	150	140	136	101	87
Wisconsin	159	180	174	165	155	126	106
Wyoming	126	135	140	133	136	122	106
48 States	143	156	157	148	146	128	112

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years.

TABLE 8.04

THE FIVE LEADING STATES AND NORTH DAKOTA'S RANK WITH RESPECT TO PRODUCTION OF AGRICULTURAL COMMODITIES, 1986

Item	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	North Dakota's Rank	North Dakota's % Share of National Total
Crop Production in 1986							
Corn for Grain	Iowa	Ill.	Nebr.	Minn.	Ind.	19	1
Corn for Silage	Wis.	N.Y.	Pa.	Minn.	Calif.	14	3
All Wheat	Kans.	N. Dak.	Okla.	Mont.	Tex.	2	14
Winter Wheat	Kans.	Okla.	Tex.	Wash.	Colo.	20	1
Durum Wheat	N. Dak.	Calif.	Mont.	Ariz.	S. Dak.	1	81
Other Spring Wheat	N. Dak.	Minn.	Mont.	S. Dak.	Idaho	1	42
Oats	Wis.	S. Dak.	Minn.	N. Dak.	Iowa	4	10
Barley	N. Dak.	Mont.	Idaho	Minn.	Wash.	1	29
Rye	S. Dak.	N. Dak.	Ga.	Minn.	Nebr.	2	22
Flaxseed	N. Dak.	S. Dak.	Minn.	NA	NA	1	83
Potatoes	Idaho	Wash.	Oreg.	N. Dak.	Maine	4	6
Soybeans for Beans	Ill.	Iowa	Mo.	Minn.	Ind.	17	1
Pinto Beans	N. Dak.	Colo.	Nebr.	Idaho	Wyo.	1	28
Dry Edible Beans, All	N. Dak.	Nebr.	Calif.	Idaho	Mich.	1	19
Sugar Beets	Minn.	Calif.	Idaho	N. Dak.	Mich.	4	12
Sunflowers, All	N. Dak.	S. Dak.	Minn.	Tex.	NA	1	71
Alfalfa Hay & Mixtures	Wis.	Minn.	Calif.	S. Dak.	Iowa	10	4
All Other Hay	Tex.	Mo.	S. Dak.	Kans.	Okla.	10	3
All Hay	Wis.	Minn.	S. Dak.	Calif.	Iowa	11	3
Total Acreage of Principal Crops Harvested	Iowa	Ill.	Kans.	N. Dak.	Minn.	4	7
Livestock On Hand, January 1, 1987							
All Cattle & Calves	Tex.	Kans.	Nebr.	Okla.	Calif.	18	2
Milk Cows that have Calved	Wis.	Calif.	N.Y.	Minn.	Pa.	27	1
Beef Cows that have Calved	Tex.	Okla.	Mo.	Nebr.	S. Dak.	15	3
All Hogs - Dec. 1, 1986	Iowa	Ill.	Minn.	Ind.	Nebr.	22	1
Stock Sheep & Lambs	Tex.	Calif.	Wyo.	Colo.	S. Dak.	16	2
Sheep & Lambs on Feed	Colo.	Calif.	Tex.	Oreg.	Wyo.	15	2
Cattle & Calves on Feed	Tex.	Nebr.	Kans.	Colo.	Iowa	26	*
All Chickens - Dec. 1986	Calif.	Ind.	Ga.	Ark.	Pa.	46	*

TABLE 8.06

TOTAL VALUE OF PRODUCTION OF PRINCIPAL NORTH DAKOTA CROPS, SELECTED YEARS, 1925-1986 (Thousands of Dollars)

Year	Grain* Corn	Durum Wheat	Other Spring Wheat	Winter Wheat	All Wheat	Oats	Barley
1925	$ 1,972	$ NA	$ NA	$ -----	$ 153,267	$17,800	$ 17,472
1930	1,395	20,205	44,044	-----	64,397	9,272	12,384
1935	3,371	13,789	29,622	-----	43,224	9,247	10,710
1940	4,881	15,926	46,145	-----	62,139	7,413	8,106
1945	9,817	47,018	189,422	-----	236,440	48,284	53,583
1950	12,622	67,475	187,669	-----	255,144	38,586	61,290
1955	15,529	31,723	199,954	-----	231,677	25,728	70,260
1960	7,949	52,147	180,110	-----	232,257	29,097	60,117
1965	7,252	78,606	167,945	898	247,449	53,019	94,827
1970	7,268	63,583	161,486	1,764	226,833	61,229	55,349
1971	10,730	107,503	270,024	2,070	379,597	53,406	77,852
1972	15,604	127,056	280,396	3,746	411,198	64,398	108,867
1973	23,486	429,278	726,209	9,764	1,165,251	81,180	214,204
1974	25,051	422,676	607,559	13,688	1,043,923	62,181	174,468
1975	17,993	487,971	633,075	10,918	1,131,964	74,144	203,490
1976	16,732	223,535	516,779	8,618	748,932	61,431	182,157
1977	37,391	160,970	400,800	5,597	567,367	56,400	151,952
1978	48,822	299,036	504,252	9,866	813,154	62,640	200,606
1979	51,382	372,645	595,993	8,765	981,194	43,243	159,390
1980	49,283	373,065	433,400	3,843	812,018	24,030	128,640
1981	91,417	446,336	716,562	10,128	1,175,171	72,864	221,760
1982	87,693	379,022	734,468	15,756	1,133,906	66,224	181,896
1983	88,309	215,670	499,500	16,577	733,811	87,173	252,252
1984	106,861	290,783	644,436	69,520	1,014,558	70,972	298,178
1985	87,494	301,764	708,113	44,100	1,053,811	46,746	294,800
1986	66,542	186,000	476,160	27,840	690,000	46,200	219,938

TABLE 8.02

NUMBER OF FARMS, LAND IN FARMS, AND VALUE OF FARM REAL ESTATE, NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1920-1986

Year	North Dakota			United States		
	Number of Farms (Thousands)	Total Acreage (Millions)	Value of Land and Buildings (Million Dollars)	Number of Farms (Thousands)	Total Acreage (Millions)	Value of Land and Buildings (Million Dollars)
1920	77.7	36.2	$ 1,488	6,448	956	$ 66,316
1925	76.0	34.3	1,020	6,372	924	49,468
1930	78.0	38.7	951	6,289	987	47,880
1935	84.6	39.1	668	6,812	1,054	32,859
1940	74.0	37.9	490	6,097	1,061	33,642
1945	69.5	41.0	787	5,859	1,142	53,889
1950	65.4	41.2	1,189	5,382	1,159	75,261
1955	61.5	42.5	1,514	4,654	1,202	98,172
1960	56.0	42.1	2,221	3,963	1,176	130,169
1965	49.5	42.0	2,873	3,356	1,140	166,980
1970	45.5	41.9	4,045	2,949	1,102	215,042
1975	42.5	41.7	8,130	2,521	1,059	358,638
1976	42.0	41.7	9,508	2,497	1,054	417,150
1977	41.5	41.7	10,759	2,456	1,048	456,376
1978	41.5	41.7	11,384	2,436	1,045	554,967
1979	40.5	41.7	14,470	2,430	1,043	653,094
1980	40.0	41.7	16,627	2,428	1,042	753,608
1981	39.0	41.7	18,007	2,434	1,042	826,068
1982	38.0	41.7	18,655[2]	NA	NA	843,304[2]
1983	36.5	41.0	17,999[2]	2,370	1,024	766,962[2]
1984	35.5	41.0	17,999[2]	2,328	1,019	794,034[2]
1985	34.0	40.9	14,724[2]	2,275	1,014	687,008[2]
1986[1]	33.0	40.7	12,957	2,214	1,007	602,959

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years; and Land In Farms, 1950-1959 by States, (Statistical Bulletin No. 316).

[1] Preliminary results.

[2] Ending Apr. 1.

TABLE 8.04--Continued

Item	Rank 1	2	3	4	5	North Dakota's Rank	North Dakota's % Share of National Total
Livestock Production in 1986							
Calf Crop	Tex.	Mo.	Okla.**	Wis.**	Calif.	15	2
Lamb Crop	Tex.	Calif.	S. Dak.	Wyo.	Mont.	14	2
Pig Crop	Iowa	Ill.	Minn.	Ind.	Nebr.	22	1
Turkeys Raised	N.C.	Minn.	Calif.	Ark.	Virg.	20	*
Egg Production	Calif.	Ind.	Pa.	Ga.	Ohio	45	*
Wool Production	Tex.	Wyo.	Calif.	Colo.	Mont.	15	2
Honey Production	N.Dak.	Calif.	S. Dak.	Fla.	Minn.	1	15
Milk Production	Wis.	Calif.	N.Y.	Minn.	Pa.	32	1
Creamery Butter	Wis.	Calif.	Minn.	Wash.	Pa.	13	1
American Cheese	Wis.	Minn.	Calif.	Iowa	Idaho	9	3
Cash Receipts from Marketings & Govt. Payments 1981							
Crops	Calif.	Ill.	Iowa	Fla.	Tex.	14	2
Livestock	Tex.	Iowa	Nebr.	Wis.	Calif.	32	1
Total	Calif.	Iowa	Tex.	Nebr.	Ill.	24	2
Government Payments'	Tex.	Iowa	Nebr.	Ill.	N. Dak.	5	6
Realized Income per Farm							
Gross[1]	Calif.	Tex.	Iowa	Ill.	Nebr.	21	2
Net[1]	Calif.	Tex.	Nebr.*	Fla.*	Iowa	21	2

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1987.

[1] 1985 data.

* Less than one-half of one percent.

** Tied.

TABLE 8.05

PRODUCTION OF PRINCIPAL NORTH DAKOTA CROPS, SELECTED YEARS, 1925-1986

Year	Grain Corn	Durum Wheat	Other Spring Wheat	Winter Wheat	All Wheat	Oats	Barley
	1000 bu.	1000 bu.	1000 bu.	1000 bu.	1000 bu.	1000 bu.	1000 bu.
1925	3,400	43,036	70,495	-----	113,531	61,378	36,400
1930	2,790	37,417	69,911	-----	107,328	40,312	42,702
1935	6,880	18,144	36,570	-----	54,714	51,371	42,840
1940	11,352	24,885	67,860	-----	92,745	35,301	27,952
1945	9,090	29,948	124,620	-----	154,568	86,222	52,532
1950	9,350	32,440	91,546	-----	123,986	58,464	51,504
1955	12,625	12,740	96,596	-----	109,336	54,740	81,698
1960	8,932	26,880	100,620	-----	127,500	66,129	84,672
1965	7,252	61,411	115,824	680	177,915	106,038	97,760
1970	6,375	46,075	109,112	1,377	156,564	120,056	65,892
1971	10,730	82,063	207,711	1,800	291,574	113,630	99,810
1972	11,390	65,493	149,147	2,178	216,818	105,570	104,680
1973	10,080	69,575	169,675	2,336	241,586	73,800	102,490
1974	8,160	70,800	136,530	3,422	210,752	44,100	56,280
1975	7,140	104,940	156,315	3,137	264,392	56,170	79,800
1980	16,820	73,150	105,450	1,050	179,650	13,500	48,000
1981	41,553	127,890	197,400	2,970	328,260	44,160	100,800
1982	35,360	110,825	209,250	4,760	324,835	55,650	103,350
1983	29,145	54,325	135,000	4,805	194,130	63,630	114,660
1984	41,580	78,590	183,600	22,000	284,190	49,980	153,700
1985	40,320	95,495	212,010	15,750	323,255	44,520	184,250
1986	49,290	77,500	198,400	13,920	289,820	38,500	175,950

TABLE 8.05--Continued

Year	Rye	Flaxseed	Potatoes	Sugar Beets	Soybeans	Sunflowers	All Hay Baled
	1000 bu.	1000 bu.	1000 cwt.	1000 tons	1000 bu.	1000 lbs.	1000 tons
1925	16,338	9,789	3,192	43	-----	-----	2,735
1930	13,933	8,256	3,978	73	-----	-----	2,576
1935	12,398	5,616	7,409	120	-----	-----	2,971
1940	8,648	3,672	10,626	186	-----	-----	2,742
1945	1,552	12,200	14,076	169	58	-----	3,233
1950	2,310	17,181	12,768	231	430	3,911	3,351
1955	8,816	23,750	7,830	398	1,364	-----	4,353
1960	6,666	15,054	14,336	564	2,288	-----	4,298
1965	12,138	19,560	15,370	715	4,009	21,250	4,724
1970	5,249	16,440	17,550	1,070	2,715	112,460	4,801
1971	9,750	9,041	19,995	1,204	2,912	243,420	4,917
1972	4,615	7,320	17,400	1,008	3,895	368,710	5,101
1973	3,039	7,576	19,140	1,284	5,123	431,010	4,197
1974	2,650	6,688	22,950	1,562	2,723	352,680	4,707
1975	2,975	7,700	17,600	1,820	2,906	547,800	5,268
1980	1,050	2,700	15,680	2,017	3,500	2,181,050	2,245
1981	2,170	4,000	20,125	2,695	6,860	3,158,160	4,315
1982	2,400	5,873	17,250	2,476	8,715	3,703,600	4,913
1983	4,320	4,600	20,480	2,404	14,310	2,446,400	4,478
1984	5,400	4,875	20,615	2,309	17,020	2,749,850	4,468
1985	2,640	6,008	23,630	2,423	12,740	2,221,800	3,768
1986	4,250	9,538	21,600	2,932	16,685	1,613,250	5,425

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

TABLE 8.07

VALUE OF PRODUCTION PER HARVESTED ACRE OF PRINCIPAL NORTH DAKOTA CROPS, SELECTED YEARS, 1925-1986

(Dollars Per Acre)

Year	Grain** Corn	Durum Wheat	Other Spring Wheat	Winter Wheat	All Wheat	Oats	Barley
1925	$ 11.60	$ NA	$ NA	$------	$ 16.60	$ 7.40	$ 9.60
1930	9.00	6.64	6.43	------	6.48	4.94	4.78
1935	9.80	7.98	4.86	------	5.53	4.23	4.50
1940	10.32	6.72	8.16	------	7.77	4.30	4.64
1945	24.30	25.90	23.56	------	24.02	18.20	23.46
1950	29.70	28.08	28.70	------	28.63	18.48	28.56
1955	30.75	32.37	32.08	------	32.22	13.16	19.35
1960	24.92	40.74	34.90	------	36.06	14.74	17.40
1965	37.00	39.68	34.80	26.40	36.17	25.75	38.80
1970	58.14	34.50	34.04	33.27	34.16	21.93	28.56
1975	128.52	123.23	103.28	88.76	110.84	54.12	96.90
1980	169.94	96.90	76.04	54.90	84.41	53.40	85.76
1981	178.20	101.21	101.64	92.07	101.57	75.90	105.60
1982	168.64	111.15	108.81	112.54	110.09	63.07	93.28
1983	203.01	105.20	99.90	106.95	101.85	69.10	100.10
1984	169.62	107.30	119.34	126.40	117.15	72.42	102.82
1985	156.24	112.18	123.58	98.00	118.81	55.65	88.00
1986	125.55	74.40	74.40	58.00	73.56	66.00	63.75

TABLE 8.07--Continued

Year	Rye	Flax-seed	Potatoes	Sugar Beets*	Soy-beans	Sun-flowers	All Hay
1925	$ 7.04	$15.14	$ 99.54	$ 51.34	$------	$------	$------
1930	3.92	7.73	60.45	61.51	------	------	------
1935	4.20	7.64	37.17	56.21	------	------	-----
1940	3.68	7.92	41.40	66.00	------	------	4.69
1945	20.79	22.72	147.74	95.06	24.15	------	9.51
1950	12.92	29.34	152.76	92.40	26.04	------	13.21
1955	16.96	21.89	174.60	132.21	32.70	------	14.15
1960	16.50	19.64	170.24	150.29	28.08	------	15.81
1965	22.18	33.24	203.00	120.90	46.93	42.48	19.43
1970	24.94	23.60	250.50	167.44	40.80	47.39	21.14
1975	58.50	61.85	672.00	396.26	97.32	118.68	53.57
1980	55.44	71.80	959.00	654.43	123.20	107.24	67.35
1981	85.87	82.13	708.75	381.28	159.60	129.04	86.30
1982	64.00	69.40	652.50	610.45	113.82	97.74	72.82
1983	57.28	78.55	784.00	598.47	198.99	135.54	60.22
1984	63.36	75.87	720.75	614.18	128.57	110.53	66.25
1985	60.06	67.51	544.00	596.51	124.54	87.66	65.78
1986	34.00	62.13	747.00	------	156.20	95.90	65.63

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years, and jointly with North Dakota State University, Dept. of Ag. Economics, Price Trends in North Dakota, 1950-1970.

* Excluding government payments.

** Beginning 1980, planted acreage is corn for all purposes.

TABLE 8.08--Continued

Year	Hay		Misc.[2]		Crops Total	
	Total	%	Total	%	Total	%
1925	$ 1,184	0.4	$ 1,927	0.7	$ 207,130	74.4
1930	1,099	0.7	1,833	1.2	85,592	57.5
1935	425	0.5	1,454	1.6	37,455	40.3
1940	244	0.2	2,023	1.3	70,292	45.8
1945	867	0.2	4,254	0.9	320,349	66.5
1950	2,515	0.5	3,515	0.7	336,157	65.9
1955	2,850	0.5	3,889	0.7	365,832	70.4
1960	4,757	0.9	3,301	0.6	352,296	66.8
1965	6,136	0.9	8,415	1.2	437,795	63.9
1970	5,954	0.8	14,011	1.8	503,864	64.9
1975	17,579	1.0	31,399	1.7	1,376,410	75.2
1976	20,454	1.2	31,950	1.9	1,197,321	71.4
1977	13,233	0.8	23,493	1.4	1,055,999	63.5
1978	17,206	1.0	83,038	NA	1,343,147	62.3
1979	20,015	1.0	110,091	NA	1,646,031	69.5
1980[R]	26,918	1.0	88,025	3.2	1,835,331	67.3
1981[R]	27,811	1.0	129,289	4.8	1,991,758	73.2
1982[R]	18,765	0.7	52,201	1.9	1,999,386	71.3
1983[R]	13,105	0.4	59,536	1.8	2,090,060	63.4
1984[R]	17,046	0.6	54,247	1.8	1,839,083	61.4
1985[P]	17,680	0.6	86,875	2.7	2,059,833	63.8

SOURCE: North Dakota Crop and Livestock Reporting Service, *North Dakota Agricultural Statistics*, various years, and jointly with North Dakota State University, Dept. of Ag. Economics, *Price Trends in North Dakota, 1950-1970*.

[1] Included in miscellaneous prior to 1975.

[2] Includes dry field peas, dry beans, alfalfa, sweet clover, sunflowers (prior to 1975), miscellaneous vegetables, miscellaneous fruits and nuts, bromegrass, red clover, wheat grass, other seeds, other field crops and greenhouse products.

* Less than .05%.
[R] Revised.
[P] Preliminary.

TABLE 8.06--Continued

Year	Rye	Flaxseed	Potatoes	Sugar Beets	Soybeans	Sunflowers	All Hay
1925	$10,946	$22,123	$ 7,554	$ 237	$ -----	$ -----	$ -----
1930	4,677	13,292	6,166	509	-----	-----	-----
1935	3,595	7,806	4,692	716	-----	-----	-----
1940	2,767	4,847	6,376	928	-----	-----	14,258
1945	2,390	34,648	25,102	1,638	122	-----	32,653
1950	2,841	56,010	17,109	2,539	1,066	176	48,590
1955	9,345	68,400	15,190	4,497	2,878	-----	53,542
1960	5,000	38,388	19,067	6,373	4,942	-----	61,461
1965	10,560	54,181	21,518	8,080	9,902	1,062	70,388
1970	4,514	38,798	29,309	15,622	7,385	5,734	74,416
1971	7,410	20,975	24,594	18,542	8,357	12,346	81,131
1972	3,738	22,912	47,850	16,531	16,554	18,176	91,818
1973	6,321	57,729	88,044	33,127	28,177	36,535	134,304
1974	6,705	64,205	72,293	60,449	16,338	49,611	195,341
1975	6,962	50,127	73,920	51,870	14,501	59,102	189,648
1976	6,794	28,720	58,443	39,833	13,417	66,420	180,908
1977	3,744	32,480	60,480	59,257	20,405	174,882	142,076
1978	9,126	23,506	61,425	69,937	32,117	265,816	226,260
1979	6,664	34,445	59,280	78,566	32,260	407,650	194,175
1980	2,772	19,386	107,408	93,387	24,640	239,683	168,375
1981	6,011	26,280	81,506	55,248	39,102	339,117	250,270
1982	4,800	30,187	75,038	88,393	47,235	327,246	203,890
1983	7,733	31,418	100,352	85,102	105,465	317,715	175,642
1984	9,504	29,591	95,860	85,433	95,142	311,370	192,124
1985	4,805	30,040	75,616	86,017	61,025	177,957	194,052
1986	4,250	33,860	89,640	---	73,414	134,938	203,438

SOURCE: North Dakota Crop and Livestock Reporting Service, *North Dakota Agricultural Statistics*, various years.

* Beginning 1977, planned acreage is corn for all purposes.

TABLE 8.08

CASH RECEIPTS AND PERCENT OF TOTAL CASH RECEIPTS FROM SALE OF SPECIFIED CROPS FOR NORTH DAKOTA, SELECTED YEARS, 1925-1985

(Thousands of Dollars)

Year	Corn		Wheat		Oats		Barley		Rye	
	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$ 607	0.2	$ 149,792	53.8	$ 5,383	1.9	$ 9,827	3.5	$ 10,697	3.8
1930	73	0.1	58,003	39.0	1,157	0.8	3,745	2.5	3,053	2.1
1935	165	0.2	22,934	24.7	887	1.0	2,213	2.4	949	1.0
1940	466	0.3	54,800	35.7	730	0.5	2,076	1.4	1,680	1.1
1945	1,718	0.4	209,236	43.4	18,817	3.9	34,524	7.2	1,732	0.4
1950	3,606	0.7	205,247	40.2	8,347	1.6	36,063	7.1	2,812	0.6
1955	3,383	0.7	197,858	38.1	7,568	1.5	49,536	9.5	7,732	1.5
1960	2,147	0.4	220,484	41.8	9,079	1.7	46,344	8.8	3,578	0.7
1965	2,265	0.3	219,335	32.0	21,755	3.2	77,990	11.4	9,692	1.4
1970	3,629	0.5	312,059	40.2	34,375	4.4	48,969	6.3	3,675	0.5
1975	11,931	0.7	931,966	50.9	16,827	0.9	137,620	7.5	7,198	0.4
1976	11,649	0.7	748,811	44.7	20,133	1.2	153,202	9.1	5,592	0.3
1977	19,378	1.3	637,925	34.6	16,622	1.0	107,619	6.5	3,567	0.2
1978	26,792	1.3	740,054	34.4	16,838	1.0	131,326	6.1	7,200	0.4
1979	24,043	1.0	893,147	38.8	12,087	0.5	137,980	5.4	6,607	0.3
1980^{R}	34,882	1.3	1,005,083	36.9	10,568	0.4	105,488	3.9	3,399	0.1
1981^{R}	47,164	1.7	1,042,949	38.3	19,137	0.7	187,347	6.9	4,742	0.2
1982^{R}	60,802	2.2	1,184,747	42.2	18,734	0.7	134,310	4.8	5,329	0.2
1983^{R}	61,280	1.9	1,051,171	31.9	22,641	0.7	208,858	6.3	7,446	0.2
1984^{R}	67,214	2.2	872,381	29.1	21,565	0.7	245,998	8.2	9,329	0.3
1985^{P}	74,971	2.3	1,056,342	32.7	15,118	0.5	299,105	9.3	5,664	0.2

TABLE 8.08--Continued

Year	Flax		Potatoes		Sugar Beets		Soybeans		Sunflowers[1]	
	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$24,060	8.6	$ 3,653	1.3	$------	---	$------	---	$ -----	---
1930	12,590	8.5	4,039	2.7	------	---	------	---	-----	---
1935	6,454	6.9	1,974	2.1	------	---	------	---	-----	---
1940	3,748	2.4	4,525	3.0	------	---	------	---	-----	---
1945	31,501	6.5	17,601	3.7	------	---	99	*	-----	---
1950	53,471	10.5	17,393	3.4	2,407	0.5	781	0.2	-----	---
1955	73,600	14.2	12,906	2.5	4,497	0.9	2,013	0.4	-----	---
1960	31,760	6.0	19,330	3.7	6,373	1.2	5,143	1.0	-----	---
1965	45,158	6.6	31,253	4.6	8,080	1.2	7,716	1.1	-----	---
1970	35,397	4.6	23,664	3.0	15,622	2.0	6,509	0.8	-----	---
1975	47,131	2.6	49,929	2.7	51,870	2.8	13,858	0.8	59,102	3.2
1976	29,850	1.8	56,589	3.4	39,833	2.4	12,838	0.8	66,420	4.0
1977	37,117	2.2	56,027	3.4	54,782	3.3	16,390	1.0	174,882	10.5
1978	21,947	1.3	50,254	2.4	69,937	3.1	20,666	1.0	190,370	8.5
1979	27,434	1.4	53,793	2.2	78,566	2.3	31,956	1.3	314,534	13.2
1980^{R}	28,435	1.0	71,805	2.6	93,387	3.4	29,693	1.1	337,648	12.4
1981^{R}	30,482	1.1	93,967	3.5	55,247	2.0	30,163	1.1	314,973	11.6
1982^{R}	27,422	1.0	60,006	2.1	88,393	3.2	47,219	1.7	301,343	10.7
1983^{R}	30,556	0.9	74,130	2.3	85,102	2.6	60,915	1.9	415,320	12.6
1984^{R}	24,786	0.8	59,098	2.0	85,433	2.9	109,821	3.7	272,163	9.1
1985^{P}	27,672	0.9	71,591	2.2	85,433	2.7	86,192	2.7	233,240	7.2

TABLE 8.09

CASH RECEIPTS AND PERCENT OF TOTAL CASH RECEIPTS FROM SALE OF LIVESTOCK AND LIVESTOCK PRODUCTS FOR NORTH DAKOTA, SELECTED YEARS, 1925-1985

(Thousands of Dollars)

Year	Cattle		Sheep		Hogs		Dairy[1]		Chickens		Eggs	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$ 19,428	7.0	$ 1,618	0.6	$19,153	6.9	$ 19,804	7.1	$1,734	0.6	$ 5,483	2.0
1930	14,843	10.0	2,055	1.4	14,101	9.5	20,537	13.8	2,609	1.8	3,690	2.5
1935	8,700	9.4	1,938	2.1	3,159	3.4	15,357	16.5	1,396	1.5	2,546	2.7
1940	18,765	12.2	2,987	1.9	6,869	4.5	18,380	12.0	1,507	1.0	2,516	1.6
1945	57,053	11.8	6,277	1.3	27,598	5.7	32,233	6.7	7,438	1.5	12,667	2.6
1950	90,821	17.8	3,957	0.8	20,378	4.0	34,603	6.8	3,419	0.7	9,681	1.9
1955	71,371	13.7	5,087	1.0	17,257	3.3	37,001	7.1	2,093	0.4	11,234	2.2
1960	97,296	17.2	6,829	1.2	17,336	3.1	38,693	6.8	618	0.1	7,300	1.3
1965	169,758	21.2	7,487	0.9	19,954	2.5	36,606	4.6	154	*	5,914	0.7
1970	192,085	20.4	6,368	0.7	20,980	2.2	41,295	4.4	123	*	3,839	0.4
1971	223,956	22.9	5,691	0.6	23,642	2.4	41,296	4.2	127	*	2,789	0.3
1972	276,875	25.0	5,802	0.5	28,588	2.6	43,250	3.8	108	*	2,581	0.2
1973	353,959	15.6	7,472	0.3	37,890	1.7	57,253	2.4	144	*	4,308	0.2
1974	325,361	13.2	8,133	0.3	37,147	1.5	62,670	2.6	149	*	4,366	0.2
1975	329,448	17.8	6,056	0.3	39,700	2.2	62,927	3.4	166	*	3,495	0.2
1976	339,272	20.0	4,190	0.3	40,800	2.4	75,485	4.4	146	*	3,330	0.2
1977	347,438	20.9	6,603	0.4	35,426	2.1	76,057	4.6	64	*	2,798	0.2
1978	372,843	17.4	7,526	0.4	40,023	1.9	81,600	3.8	46	*	2,409	0.1
1979	526,129	21.8	5,337	0.2	39,801	1.7	92,698	3.7	67	*	2,501	0.1
1980	592,645	21.7	6,021	0.2	37,989	1.4	106,672	3.9	134	*	2,280	0.1
1981	400,586	14.7	6,856	0.3	35,785	1.3	120,960	4.5	138	*	2,665	0.1
1982	398,105	14.2	7,848	0.3	40,680	1.5	123,125	4.4	116	*	2,960	0.1
1983	436,379	13.2	6,790	0.2	32,472	1.0	131,875	4.0	118	*	4,991	0.2
1984	480,520	16.0	8,385	0.3	34,887	1.2	124,845	4.2	148	*	6,270	0.2
1985	479,238	14.8	10,834	0.3	34,475	1.1	122,094	3.8	160	*	4,130	0.1

TABLE 8.12

CASH RECEIPTS FROM FARMING AND VALUE OF HOME CONSUMPTION: UNITED STATES, NORTH DAKOTA, AND OTHER NORTH CENTRAL STATES, 1985 Preliminary (Thousands of Dollars)

	Cash Receipts From Farming				
	Farm Marketings				
	Livestock and Livestock Products	Crops	Total	Government Payments	Total
U.S.	$69,400,516	$72,702,385	$142,102,901	$7,704,154	$140,807,055
N.D.	686,066	2,059,883	2,745,949	483,652	3,229,601
S.D.	1,903,097	1,075,992	2,979,089	231,988	3,211,077
Nebr.	4,112,810	3,093,117	7,205,927	518,369	7,724,296
Mont.	802,004	404,801	1,206,805	220,876	1,427,681
Wyo.	478,750	110,095	588,845	20,128	608,972
Minn.	3,370,127	3,101,543	6,471,670	480,066	6,951,736
Ill.	2,063,183	5,704,349	7,767,532	491,492	8,259,024
Ind.	1,727,602	2,869,268	4,596,870	218,300	4,815,170
Iowa	4,811,147	4,389,672	9,200,819	691,136	9,891,955
Kans.	3,263,760	2,477,622	5,741,382	482,151	6,223,533
Mich.	1,231,315	1,618,820	2,850,135	116,621	2,966,756
Mo.	1,930,078	1,737,939	3,668,017	187,669	3,855,686
Ohio	1,510,952	2,429,509	3,940,461	149,692	4,090,153
Wis.	4,099,748	1,011,716	5,111,464	152,222	5,263,686

	Value of Home Consumption			
	Livestock and Livestock Products.	Crops	Total	Cash Receipts From Farming and Value of Home Consumption
U.S.	$689,982.	$238,891	$928,873	$150,735,928
N.D.	9,827	3,555	13,382	3,242,983
S.D.	12,573	3,869	16,442	3,227,519
Nebr.	15,469	6,169	21,638	7,745,934
Mont.	13,123	2,468	15,591	1,443,272
Wyo.	3,516	941	4,457	613,429
Minn.	30,249	10,038	40,287	6,992,023
Ill.	28,028	8,411	37,439	8,296,463
Ind.	14,672	8,470	23,142	4,838,312
Iowa	27,720	11,607	39,327	9,931,282
Kans.	15,598	7,529	23,127	6,246,660
Mich.	17,764	6,588	24,352	2,991,108
Mo.	27,145	12,025	39,170	3,894,856
Ohio	21,218	9,306	30,524	4,120,677
Wis.	46,866	8,679	55,545	5,319,231

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, 1986.

TABLE 8.09--Continued

Year	Turkeys		Wool		Honey & Beeswax[2]		Misc.[3]		Livestock Total	
	Total	%	Total	%	Total	%	Total	%	Total	%
1925	$ -----	---	$ 792	0.3	$------	---	$ 3,268	1.2	$ 71,280	25.6
1930	3,537	2.4	1,128	0.8	------	---	715	0.5	63,215	42.5
1935	2,515	2.7	1,054	1.1	------	---	1,893	2.0	38,558	41.5
1940	3,243	2.1	1,910	1.2	------	---	1,002	0.7	57,179	37.3
1945	4,306	0.9	2,739	0.6	------	---	2,150	0.4	152,461	31.7
1950	2,811	0.6	1,535	0.3	------	---	969	0.2	168,174	32.9
1955	2,500	0.5	1,577	0.3	------	---	1,312	0.3	149,432	28.8
1960	3,772	0.7	2,618	0.5	------	---	877	0.2	175,339	31.0
1965	4,271	0.5	2,040	0.3	------	---	1,403	0.2	247,587	30.9
1970	4,140	0.4	1,138	0.1	------	---	2,593	0.3	272,561	28.9
1971	4,182	0.4	695	0.1	------	---	2,582	0.3	304,960	31.2
1972	4,437	0.4	1,026	0.1	------	---	4,063	0.4	366,730	33.0
1973	9,013	0.4	2,295	0.1	------	---	4,839	0.2	477,173	21.0
1974	3,960	0.2	1,483	0.1	3,346	0.1	1,857	0.1	448,472	18.2
1975	5,772	0.3	774	*	4,362	0.2	2,133	0.1	454,913	24.5
1976	4,681	0.3	1,126	0.1	7,306	0.4	2,422	0.1	478,758	28.2
1977	4,368	0.3	1,224	0.1	5,658	0.3	3,675	0.2	483,311	29.1
1978	6,669	0.3	1,236	0.1	9,782	0.5	15,746	0.2	526,862	24.7
1979	7,018	0.3	1,397	0.1	12,261	0.5	20,553	0.2	694,104	28.6
1980	7,952	0.3	1,671	0.1	8,525	0.3	9,585	0.4	773,474	28.4
1981	7,069	0.3	1,600	0.1	12,850	0.5	9,494	0.4	598,003	22.0
1982	6,529	0.2	1,122	*	NA[4]	---	25,774	0.9	606,259	21.6
1983	4,524	0.1	972	*	NA[4]	---	29,469	0.9	647,590	19.7
1984	7,503	0.3	1,155	*	NA[4]	---	29,674	1.0	693,387	23.2
1985	8,952	0.3	937	*	NA[4]	---	25,246	0.8	686,066	21.2

SOURCE: North Dakota Crop and Livestock Reporting Service, *North Dakota Agricultural Statistics*, various years, and jointly with North Dakota State University, Dept. of Ag. Economics. *Price Trends in North Dakota, 1950-1970*.

[1] Includes wholesale and retail milk and milkfat in cream.

[2] Included in miscellaneous prior to 1974.

[3] Includes horses, other poultry, turkey eggs, and etc.

[4] Estimate discontinued.

* Less than .05%.

TABLE 8.10

NORTH DAKOTA CASH RECEIPTS FROM GOVERNMENT PAYMENTS, SELECTED YEARS, 1935-1986 (Thousands of Dollars)

Year	Conservation[1]	Sugar Act	Wool Act[2]	Soil Bank	Great Plains Conservation	Feed Grain Program	Wheat Program[3]	Cropland Adjustment	Misc.[4]	Total
1935	$------	$ 340	$-----	$------	$---	$------	$ 13,752	$-----	$ 2,763	$ 16,855
1940	18,533	243	-----	------	---	------	------	-----	7,138	25,914
1945	3,094	416	-----	------	---	------	------	-----	5,236	8,746
1950	5,264	663	-----	------	---	------	------	-----	-----	5,927
1955	3,190	1,022	-----	------	---	------	------	-----	-----	4,212
1960	5,131	1,089	1,215	30,646	484	------	------	-----	-----	38,565
1961	7,759	1,314	1,273	25,453	530	5,457	2,550	-----	-----	44,336
1962	5,366	1,410	1,234	24,623	496	13,285	26,470	-----	-----	72,884
1963	4,694	1,414	838	24,443	627	16,433	31,918	-----	-----	80,367
1964	4,113	1,634	504	18,905	624	24,487	57,410	-----	-----	107,677
1965	3,758	1,368	427	16,039	552	28,639	65,534	-----	-----	116,317
1966	3,876	1,729	677	14,072	619	23,553	90,838	2,093	-----	137,457
1967	4,944	1,885	479	12,024	626	8,609	99,819	2,464	-----	130,850
1968	5,154	2,350	989	10,848	882	12,453	105,235	2,332	-----	140,243
1969	4,891	2,427	901	5,658	658	33,133	113,014	2,284	-----	162,966
1970	4,345	3,153	855	267	683	32,891	122,731	2,314	-----	167,239
1971	4,210	2,350	1,245	9	713	9,956	119,976	2,058	-----	140,517
1972	5,763	2,761	2,048	------	773	53,587	141,244	1,929	17	208,122
1973	316	2,073	1,220	------	815	34,508	78,702	1,273	524	119,431
1974	3,678	3,264	-----	------	630	7,026	14,627	1,154	589	30,968
1975	4,273	3,222	-----	------	748	5,200	9,430	943	1,067	24,883
1976	4,835	(1)	-----	------	763	5,616	7,313	397	1,821	22,744
1977	5,279	1,218	-----	------	768	5,293	101,617	0	8,427	122,603
1978	5,373	-----	-----	------	---	75,827	161,885	-----	34,218	278,179
1979	3,326	-----	-----	------	---	7,729	8,227	-----	27,237	46,519

TABLE 8.10--Continued

Year	Conser-vation[1]	Sugar Act	Wool Act[2]	Soil Bank	Great Plains Conser-vation	Feed Grain Program	Wheat Program[3]	Cropland Adjustment	Misc.[4]	Total
1980	$ 4,312	$-----	$-----	$------	$---	$ 19,200	$ 74,582	$-----	$ 18,540	$116,634
1981	4,501	-----	-----	------	---	14,539	67,796	-----	43,823	130,659
1982	2,995	-----	-----	------	---	22,055	105,480	-----	69,646	200,176
1983	4,390	-----	-----	------	---	32,542	141,669	-----	379,827	558,428
1984	4,543	-----	-----	------	---	21,307	278,479	-----	158,916	463,245
1985	4,892	-----	-----	------	---	78,914	314,187	-----	85,659	483,652
1986	3,424	-----	-----	------	---	115,067	511,090	-----	70,599	700,180

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years, and Statistics of North Dakota Agriculture (revised 1972); and data from pending revision of same.

[1] Includes amounts paid under separate programs not listed separately.

[2] Included in miscellaneous. See note 4 below.

[3] Data for 1935-1977 represent the Wheat-Rye Program.

[4] Miscellaneous includes the following for years specified: Corn-Hog Program, 1935-1937; Parity and Price Adjustment, 1939-1944; Dairy Production Payments, 1943-1946; Sheep and Lamb Production and Beef Programs, 1945-1946; Wool Act, 1974-1977; Milk Indemnity Program, Beekeepers Indemnity Program, Emergency Feed Program, and other miscellaneous programs, 1972-1977; Water Bank Program and Drought and Flood Conservation Program, 1976-1977; and Sugar Act. 1978-1981.

TABLE 8.11

NORTH DAKOTA FARM INCOME FROM FARM MARKETINGS, GOVERNMENT PAYMENTS, AND VALUE OF HOME CONSUMPTION, SELECTED YEARS, 1925-1985
(Thousands of Dollars)

Year	Cash Farm Income From				Value of Home Consumption		
	Livestock and Livestock Products	Crops	Government Payments	Total Cash Income	Livestock and Livestock Products	Crops	Total Value of Products Consumed in Households
1925	$ 71,280	$ 207,130	$-------	$ 278,410	$18,668	$2,123	$20,791
1930	63,215	85,592	-------	148,807	16,536	3,071	19,607
1935	38,558	37,455	16,855	92,868	12,409	2,032	14,441
1940	57,179	70,292	25,914	153,385	10,139	2,559	12,698
1945	152,461	320,349	8,746	481,556	18,883	4,940	23,823
1950	168,174	336,157	5,927	510,258	17,646	2,307	19,953
1955	149,432	365,832	4,212	519,476	13,570	3,583	17,153
1960	175,339	352,296	38,565	566,200	11,276	3,100	14,376
1965	247,587	437,795	116,317	801,699	9,188	1,958	11,146
1970	272,561	503,864	167,239	943,664	10,867	1,595	12,462
1971	304,960	532,487	140,517	977,964	11,356	1,391	12,747
1972	366,730	766,914	208,122	1,341,766	11,800	2,288	14,088
1973	477,173	1,676,283	119,431	2,272,887	16,348	3,081	19,429
1974	448,472	1,978,025	30,960	2,457,465	17,035	4,885	21,920
1975	454,913	1,376,410	24,883	1,856,206	12,289	2,412	14,701
1976	478,758	1,197,321	22,744	1,698,823	12,629	2,573	15,202
1977	472,560	1,148,257	122,603	1,743,420	11,718	2,383	14,101
1978	526,862	1,343,147	278,179	2,148,188	11,511	2,447	13,958
1979	694,104	1,646,031	46,519	2,386,654	14,332	2,391	16,723
1980	773,474	1,835,331	116,634	2,725,439	17,245	1,098	18,343
1981	598,003	1,991,758	130,659	2,720,420	12,859	1,076	13,935
1982	606,259	1,999,386	200,176	2,805,821	10,002	1,153	11,155
1983	647,590	2,090,060	558,428	3,296,078	10,592	7,713	14,305
1984	693,387	1,839,083	463,245	2,995,715	10,191	3,659	13,850
1985	686,066	2,059,883	483,652	3,229,601	9,827	3,555	13,382

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years, and Statistics of North Dakota Agriculture (revised 1972).

TABLE 8.13

REALIZED GROSS INCOME AND NET INCOME FROM FARMING, NORTH DAKOTA, SELECTED YEARS, 1960-1985 (Millions of Dollars)

	1960	1965	1970	1975	1980
Cash Receipts From Farm Marketings	$515.6	$686.3	$ 776.6	$1,939.8	$2,386.4
Government Payments	38.6	116.3	167.2	24.9	16.6
Nonmoney Income	29.1	42.8	55.7	101.0	208.2
Other Farm Income	3.0	5.4	9.2	21.0	39.6
TOTAL REALIZED GROSS FARM INCOME	586.3	850.8	1,008.9	1,978.2	2,750.8
Farm Production Expenses	446.4	586.8	703.8	1,502.0	2,343.7
Realized Net Farm Income*	139.9	264.0	305.1	476.1	407.1
Net Change in Farm Inventories	65.7	45.7	-60.3	244.9	-318.5
TOTAL NET FARM INCOME	205.6	309.7	244.8	721.0	88.6

	1981	1982	1983	1984	1985
Cash Receipts From Farm Marketings	$2,589.8	$2,605.6	$2,737.7	$2,532.5	$2,745.9
Government Payments	130.7	200.2	558.4	463.2	483.7
Nonmoney Income	183.6	194.5	182.5	184.9	152.7
Other Farm Income	43.4	27.1	22.7	27.8	34.9
TOTAL REALIZED GROSS FARM INCOME	2,947.4	3,027.4	3,501.3	3,208.4	3,417.2
Farm Production Expenses	2,615.8	2,722.6	2,800.2	2,833.9	2,748.2
Realized Net Farm Income*	331.6	304.8	701.1	374.5	668.9
Net Change in Farm Inventories	439.6	107.5	-450.3	263.1	-95.2
TOTAL NET FARM INCOME	771.2	412.4	250.7	637.6	573.7

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Of farm operators.

Note: Totals may not add up due to rounding.

TABLE 8.14

REALIZED GROSS INCOME PER FARM:* THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1985
(Thousands of Dollars)

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Iowa	Wis.
1950	$ 5,718	$ 8,222	$ 8,169	$10,328	$ 9,931	$ 7,133	$11,167	$ 6,106
1955	7,147	8,944	8,960	11,593	10,683	8,182	11,834	7,091
1960	9,715	10,469	11,301	14,124	13,693	10,277	14,457	9,170
1965	13,559	17,189	17,011	17,962	19,666	13,498	21,908	11,562
1970	19,861	22,174	24,808	27,995	33,173	20,801	31,717	16,398
1971	20,883	23,272	25,688	28,875	33,979	21,182	30,859	17,270
1972	24,517	32,136	31,874	38,732	44,479	24,216	37,601	19,512
1973	33,831	54,188	44,897	50,225	60,486	37,101	53,691	23,862
1974	35,761	59,594	48,617	51,242	60,600	40,450	56,682	26,102
1975	35,034	46,545	43,360	46,075	59,428	35,895	51,063	28,592
1976	38,051	43,793	45,408	48,853	58,922	37,382	57,244	32,748
1977	39,712	45,303	40,337	49,441	63,120	41,807	57,856	35,232
1978	46,750	58,871	54,904	65,595	76,985	48,850	71,757	41,513
1979	61,966	66,190	72,969	63,300	107,712	61,730	87,470	53,710
1980	61,366	57,973	69,795	68,038	102,195	65,832	87,326	60,554
1981	68,335	78,468	80,600	78,063	119,691	72,476	99,580	64,041
1982	68,065	85,027	82,931	77,596	124,757	71,796	92,666	65,799
1983	64,315	83,586	79,954	75,675	118,511	66,570	78,127	63,299
1984	74,901	97,786	93,095	68,042	138,472	77,910	97,917	72,034
1985	73,225	97,709	89,088	52,294	145,664	76,123	95,107	69,171

SOURCE: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector*, 1985, and Statistical Reporting Service, *Farm Income Situation*, various years.

* Excludes changes in inventories and represents income of farm operators.

TABLE 8.18

ANNUAL AVERAGE PRICES RECEIVED BY NORTH DAKOTA FARMERS FOR SELECTED LIVESTOCK AND LIVESTOCK PRODUCTS, SELECTED YEARS, 1925-1986[1]

Year	Beef Cattle	Calves	Hogs*	Sheep	Lambs	Milk Cows*	Live Turkeys*
	(Dollar per Hundred Pounds Liveweight)					$/head	$/pound
1925	$ 5.10	$ 7.60	$ 9.70	$ 7.20	$11.80	$ 50.00	$0.226
1930	6.10	9.10	7.90	3.65	6.50	59.00	0.188
1935	5.30	6.30	7.60	3.40	7.40	43.00	0.206
1940	6.80	8.00	4.70	3.20	7.50	59.00	0.148
1945	10.10	12.30	13.40	6.20	12.50	103.00	0.320
1950	22.00	25.20	17.00	11.50	25.10	207.00	0.343
1955	13.60	16.10	13.30	4.80	16.90	156.00	0.299
1960	19.40	23.60	14.60	4.80	16.60	212.00	0.238
1965	18.80	22.90	19.30	5.30	21.50	188.00	0.211
1970	26.40	35.00	21.80	6.20	25.90	306.00	0.215
1975	30.20	29.40	43.70	7.20	39.30	328.00	0.360
1980	61.10	78.20	35.00	24.60	61.90	1,070.00	0.470
1981	55.30	63.10	40.80	16.80	48.90	1,080.00	0.360
1982	52.30	60.10	48.60	13.80	48.00	1,020.00	0.390
1983	52.90	62.80	43.00	13.80	50.60	900.00	0.320
1984	52.70	62.30	44.00	12.60	57.80	780.00	0.440
1985	53.30	64.10	41.70	18.80	65.30	740.00	0.470
1986	51.30	63.50	47.60	21.80	67.80	660.00	NA

TABLE 8.18--Continued

Year	Live Chickens* $/pound	Eggs* $/dozen	Milkfat in Cream $/pound	Milk Wholesale $/cwt.	Honey $/pound	Beeswax $/pound
1925	$0.146	$0.256	$0.390	$2.40	$-----	$----
1930	0.131	0.183	0.320	2.15	-----	----
1935	0.127	0.201	0.260	1.95	-----	----
1940	0.098	0.129	0.270	1.85	-----	----
1945	0.219	0.304	0.500	2.70	0.192	0.43
1950	0.193	0.274	0.620	3.59	0.122	0.43
1955	0.142	0.285	0.600	3.79	0.145	0.51
1960	0.079	0.244	0.620	3.55	0.154	0.45
1965	0.049	0.249	0.640	3.31	0.140	0.46
1970	0.055	0.293	0.740	4.85	0.162	0.62
1975	0.100	0.358	0.710	7.55	0.463	1.08
1980	0.040	0.360	NA	11.80	0.528	1.95
1981	0.070	0.390	NA	12.60	0.550	1.99
1982	0.060	0.370	NA	12.50	**	**
1983	0.070	0.530	NA	12.53	**	**
1984	0.080	0.660	NA	12.28	**	**
1985	0.100	0.420	NA	11.40	**	**
1986	NA	NA	NA	NA	**	**

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; and jointly with North Dakota State University, Dept. of Ag. Economics, Price Trends in North Dakota, 1950-1970.

[1] Weighted by marketings.

* As of 1968 marketing year is December through November.

** Estimate discontinued.

TABLE 8.15

REALIZED NET INCOME PER FARM:* THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1985

Year	U.S.	N.D.	S.D.	Mont.	Nebr.	Minn.	Iowa	Wis.
1950	$ 2,273	$ 3,027	$ 2,980	$ 4,226	$ 3,431	$ 2,781	$ 4,431	$ 2,343
1955	2,383	2,503	2,742	4,244	3,351	2,542	3,737	2,121
1960	2,806	2,498	2,934	4,640	3,045	2,606	3,837	2,976
1965	3,533	5,333	5,046	4,651	3,858	3,930	6,345	3,961
1970	4,797	6,705	7,090	7,962	7,232	6,578	8,016	5,199
1975	7,617	11,203	11,276	10,258	12,662	8,413	7,732	7,076
1980	6,633	-4,203	5,574	1,655	-1,732	7,646	3,536	14,467
1981	11,044	5,862	10,461	4,736	13,777	9,785	15,606	12,558
1982	9,473	9,416	11,285	11,675	12,836	7,821	7,903	11,721
1983	5,472	6,868	5,570	654	7,089	2,408	-2,180	5,544
1984	14,038	17,961	16,927	-4,464	22,167	13,336	15,350	13,977
1985	13,390	16,879	15,994	-15,365	29,956	12,098	15,302	11,942

SOURCE: U.S. Dept. of Agriculture, Economic Research Service, Economic Indicators of the Farm Sector, 1985, and Statistical Reporting Service, Farm Income Situation, various years.

* Excludes changes in inventories and represents income of farm operators.

TABLE 8.16

SEASONAL AVERAGE PRICES FOR NORTH DAKOTA'S PRINCIPAL CROPS, SELECTED YEARS, 1925-1986

Year	Grain Corn $/bu.	Durum Wheat $/bu.	Spring Wheat Other than Durum $/bu.	Winter Wheat $/bu.	All Wheat $/bu.	Oats $/bu.	Barley $/bu.
1925	$0.58	$ NA	$ NA	$ NA	$1.35	$0.29	$0.48
1930	0.50	0.54	0.63	NA	0.60	0.23	0.29
1935	0.49	0.76	0.81	NA	0.79	0.18	0.25
1940	0.43	0.64	0.68	NA	0.67	0.21	0.29
1945	1.08	1.57	1.52	NA	1.53	0.56	1.02
1950	1.35	2.08	2.05	NA	2.06	0.66	1.19
1955	1.23	2.49	2.07	NA	2.12	0.47	0.86
1960	0.89	1.94	1.79	NA	1.82	0.44	0.71
1965	1.00	1.28	1.45	1.32	1.39	0.50	0.97
1970	1.14	1.38	1.48	1.28	1.45	0.51	0.84
1975	2.52	4.65	4.05	3.48	4.28	1.32	2.55
1980	2.93	5.10	3.92	3.66	4.52	1.78	2.68
1981	2.30	3.49	3.63	3.41	3.58	1.65	2.20
1982	2.48	3.42	3.51	3.31	3.48	1.19	1.76
1983	3.03	3.97	3.70	3.45	3.78	1.37	2.20
1984	2.57	3.70	3.51	3.16	3.57	1.42	1.94
1985	2.17	3.16	3.34	2.80	3.26	1.05	1.60
1986	1.35	2.40	2.50	2.00	2.38	1.20	1.25

TABLE 8.16--Continued

Year	Rye $/bu.	Flaxseed $/bu.	Potatoes $/cwt.	Sugar Beets[1] $/ton	Soybeans $/bu.	Sunflowers[2] $/cwt.	All Hay Baled[3] $/ton
1925	$0.67	$2.26	$2.37	$ 5.52	$ NA	$ NA	$ 8.10
1930	0.35	1.61	1.55	6.99	NA	NA	5.80
1935	0.29	1.39	0.63	5.98	NA	NA	4.15
1940	0.32	1.32	0.60	5.00	NA	NA	5.20
1945	1.54	2.84	1.78	9.70	2.10	NA	10.10
1950	1.23	3.26	1.34	11.00			
1955	1.06	2.88	1.94	11.30	2.48	4.50	14.50
1960	0.75	2.55	1.33	11.30	2.11	NA	12.30
1965	0.87	2.77	1.40	11.30	2.16	NA	14.30
1970	0.86	2.36	1.67	14.60	2.47	5.00	14.90
					2.72	5.10	15.50
1975	2.34	6.51	4.20	28.50	4.99	10.80	36.00
1980	2.64	7.18	6.85	46.30	7.04	11.00	75.00
1981	2.77	6.57	4.05	20.50	5.70	10.70	58.00
1982	2.00	5.14	4.35	35.70	5.42	8.84	41.50
1983	1.79	6.83	4.90	35.40	7.37	13.00	39.00
1984	1.76	6.07	4.65	37.00	5.59	11.30	43.00
1985	1.82	5.00	3.20	35.50	4.79	8.01	51.50
1986	1.00	3.55	4.15	NA	4.40	7.09	37.50

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; jointly with North Dakota State University, Dept. of Ag. Economics, Price Trends in North Dakota, 1950-1970 and additional data supplied by North Dakota State University, Department of Agricultural Economics.

[1] Excluding government payments.

[2] Not estimated from 1952-1961.

[3] Loose hay prior to 1939.

TABLE 8.17

CALENDAR YEAR AVERAGE PRICES RECEIVED BY NORTH DAKOTA FARMS FOR PRINCIPAL CROPS, SELECTED YEARS, 1925-1986*

Year	Grain Corn $/bu.	Durum Wheat $/bu.	Other Spring Wheat $/bu.	Winter Wheat $/bu.	All Wheat $/bu.	Oats $/bu.	Barley $/bu.	Rye $/bu.	Flax-Seed $/bu.	Potatoes $/cwt.	Soy-beans $/bu.	All Hay $/ton
1925	$0.75	$ NA	$ NA	$ NA	$1.36	$0.33	$0.60	$0.91	$2.44	$1.46	$ NA	$ 7.79
1930	0.65	0.66	0.78	NA	0.73	0.26	0.34	0.43	2.12	1.99	NA	6.00
1935	0.75	0.86	0.87	NA	0.87	0.33	0.43	0.38	1.48	0.83	NA	7.88
1940	0.43	0.64	0.69	NA	0.67	0.23	0.30	0.34	1.53	0.79	NA	5.19
1945	0.90	1.51	1.47	NA	1.48	0.56	1.01	1.24	2.85	2.11	2.13	9.63
1950	1.17	2.03	2.02	NA	2.02	0.62	1.14	1.13	2.29	1.65	2.29	14.95
1955	1.11	2.78	2.14	NA	2.20	0.49	0.92	0.83	2.14	1.61	2.15	12.10
1960	0.89	2.02	1.86	NA	1.89	0.49	0.75	0.78	2.71	1.70	1.84	17.49
1965	1.05	1.30	1.46	NA	1.41	0.51	0.94	0.84	2.80	3.28	2.48	17.42
1970	1.08	1.37	1.50	1.26	1.45	0.50	0.80	0.81	2.48	1.78	2.45	15.46
1975	2.70	5.18	4.05	3.48	4.44	1.35	2.82	2.27	6.92	3.06	5.15	40.04
1976	2.52	3.31	3.45	2.95	3.40	1.32	2.34	2.33	6.52	2.80	5.38	39.33
1977	***	2.45	2.40	2.09	2.43	1.15	1.77	***	5.86	2.53	6.69	45.96
1978	***	2.87	2.66	2.48	2.74	1.02	1.77	***	5.01	2.67	5.91	40.83
1979	***	3.71	3.25	***	3.43	1.09	2.05	***	6.26	2.75	6.48	37.88
1980	***	4.98	3.82	***	4.27	1.42	2.29	***	6.34	4.08	6.24	57.50
1981	2.75	4.06	3.92	***	3.97	1.78	2.52	2.88	7.05	6.32	6.37	70.71
1982	2.15	3.34	3.52	***	3.47	1.43	1.93	2.63	6.01	3.93	5.49	49.75
1983	2.74	3.79	3.61	***	3.69	1.27	1.99	1.73	5.57	4.36	6.36	37.67
1984	2.94	3.78	3.60	***	3.66	1.47	2.14	1.76	6.46	4.89	6.77	41.17
1985	2.48	3.33	3.43	***	3.39	1.24	1.78	1.90	5.97	4.29	5.18	46.92
1986P	1.80	2.80	2.87	***	2.83	1.05	1.46	1.40	4.28	3.28	4.73	45.17

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; and calculations from mid-month average prices provided by North Dakota State University, Dept. Agricultural Economics.

P Preliminary.

* Based on Monthly open market prices not allowing for unredeemed loans.

*** Not estimated.

TABLE 8.19

NORTH DAKOTA FARM PRODUCTION EXPENSES, SELECTED YEARS, 1950-1986
(Millions of Dollars)

	1950	1955	1960	1965	1970	1975
Current Farm Operating Expenses:						
Feed	$ 14.3	$ 17.4	$ 22.0	$ 25.3	$ 33.2	$ 51.7
Livestock	4.0	4.8	5.0	13.4	10.2	11.4
Seed[1]	10.9	12.9	12.0	17.8	22.1	64.1
Fertilizer and Lime	1.1	6.1	13.7	18.6	31.7	121.0
Repairs and Operation of Capital Items[2]	89.0	102.4	102.9	102.4	114.6	225.5
Miscellaneous[3]	31.6	40.8	53.2	81.6	109.4	225.3
Hired Labor[4]	36.6	27.0	33.1	39.2	40.4	56.4
TOTAL CURRENT FARM OPERATING EXPENSES	187.6	211.4	242.0	298.2	361.6	755.3
Depreciation & Other Consumption of Farm Capital[5]	67.9	94.4	105.1	134.4	165.5	381.8
Taxes on Farm Property	21.0	26.7	34.7	43.8	47.6	58.5
Interest on Farm Mortgage Debt	3.0	4.6	7.9	16.8	29.6	52.3
Net Rent to Nonfarm Landlords	63.3	58.9	56.6	93.6	99.6	254.1
TOTAL PRODUCTION EXPENSES	342.9	396.1	446.4	586.8	703.8	1,502.0

Note: See continuation of table for sources.

[1] Include bulbs, plants and trees.

[2] Repairs and maintenance of buildings, repairs and operation of motor vehicles and other machinery, and petroleum fuel and oil used in the farm business.

[3] Includes binding, cotton ginning, Federal crop insurance, containers, dairy supplies, electricity, greenhouse and nursery, grazing fees, harness and saddlery, net insurance premiums (fire, wind and crop hail), irrigation, livestock marketing service (excl. feed and transportation), milk hauling miscellaneous hardware (incl. blacksmithing), machine hire and custom work, miscellaneous livestock and poultry supplies, pesticides, small hand tools, short term interest, telephones (business share), vet. services and medicines (plus insem.) and other miscellaneous.

[4] Includes cash wages, perquisities, and (1951 to date) Social Security taxes paid by employers.

[5] Includes depreciation and accidental damage to farm buildings and depreciation of motor vehicles and other farm machinery and equipment.

TABLE 8.20

NON-REAL ESTATE LOANS TO NORTH DAKOTA FARMERS, AMOUNT OUTSTANDING JANUARY 1, BY SELECTED LENDING AGENCIES, 1955-1986[1]

(Thousands of Dollars)

	Lending Agency				
Year	All Operating Banks[2]	Production Credit Assoc.	Federal Intermediate Credit Banks[3]	Farmers Home Administration	Total
1955	$ 42,342	$ 5,774	$ 1,022	$ 13,125	$ 62,263
1960	66,797	18,768	827	13,140	99,532
1961	79,845	25,621	1,080	15,250	121,796
1962	83,468	30,019	1,304	28,273	143,064
1963	94,339	33,808	1,522	25,839	155,508
1964	110,670	43,607	1,837	25,193	181,307
1965	130,672	47,686	1,865	25,538	208,701
1966	140,974	50,604	1,920	31,012	224,510
1967	167,803	65,557	2,481	30,925	266,766
1968	178,451	76,536	2,695	30,378	288,060
1969	186,602	85,700	3,227	28,827	304,356
1970	204,117	100,499	4,108	27,230	335,954
1971	226,513	116,810	5,449	30,916	379,688
1972	244,712	129,894	6,839	31,983	413,428
1973	266,201	135,929	6,404	35,789	444,323
1974	339,292	159,986	7,832	37,570	544,680
1975	411,514	195,100	10,356	37,476	654,446
1976	523,386	245,300	12,182	55,604	836,472
1977	586,652	294,268	11,215	66,032	958,167
1978	576,374	304,584	10,236	150,413	1,041,607
1979	647,346	347,576	12,635	290,350	1,297,907
1980	750,000	559,000	21,000	420,000	1,750,000
1981	785,000	585,000	26,000	545,000	1,941,000
1982	895,000	648,000	31,000	532,000	2,106,000
1983	959,000	636,000	31,000	526,000	2,152,000
1984	960,000	612,000	26,000	558,000	2,156,000
1985	894,000	480,000	9,000	620,000	2,003,000

SOURCE: U. S. Department of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector*, various years; North Dakota Crop and Livestock Reporting Service, *North Dakota Agricultural Statistics*, various years; and *Statistics of North Dakota Agriculture*, 1972 revised.

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[1] Excludes loans held or guaranteed by Commodity Credit Corporation.

[2] Loans are classified according to location of banks and; therefore, are not strictly comparable with data for other lenders, which are classified according to location of borrower.

[3] Loans to and discounts for livestock loan companies and agricultural credit corporations.

TABLE 8.21

ANNUAL AVERAGE FARM EMPLOYMENT IN NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1935-1986 (In Thousands)

	North Dakota			United States*		
Year	Total Workers	Family Workers	Hired Workers	Total Workers	Family Workers	Hired Workers
1935	147	129	13	12,733	9,855	2,878
1940	124	110	14	10,979	8,300	2,679
1945	106	100	6	10,000	7,881	2,119
1950	128	99	29	9,926	7,597	2,329
1955	110	88	22	8,381	6,345	2,036
1960	92	71	21	7,057	5,172	1,885
1965	75	60	15	5,610	4,128	1,482
1970	58	48	10	4,523	3,348	1,175
1975	57	48	9	4,342	3,026	1,316
1976	59	49	10	4,374	2,997	1,377
1977	64	56	8	4,170	2,863	1,307
1978	65	56	9	3,957	2,689	1,268
1979	64	55	9	3,774	2,501	1,273
1980	52	43	9	3,705	2,402	1,303
1981	NA	NA	NA			
1982	NA	NA	NA			
1983[1]	615	443	136			
1984[1]	564	420	144			
1985[2]	234	199	35			
1986[2]	275	228	47			

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; U.S. Dept. of Commerce, Bureau of the Census, Census of Agriculture, various years; Statistical Abstract of the United States, 1981; and U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years.

[1] Estimate on regional basis including Kansas, Nebraska, Texas, Oklahoma, and South Dakota.

[2] Estimate on Regional Basis including Kansas, Nebraska, and South Dakota.

* Excludes Alaska and Hawaii until 1978 when Hawaii is included.

TABLE 8.22

NORTH DAKOTA AGRICULTURAL EXPORTS BY PRODUCT TYPE, SELECTED YEARS, 1964-1986

Product	Export Value in Millions of Dollars for Fiscal Year					
	1964	1977	1978	1979	1980	1981
TOTAL	$194.0	$495.8	$702.6	$1,084.5	$1,434.9	$1,848.8
Wheat & Flour	149.0	272.2	420.2	656.8	873.2	1,265.9
Feed Grains	17.0	53.4	39.5	31.9	67.8	78.3
Hides & Skins	*	12.0	11.7	17.1	15.1	3.0
Lard & Tallow	1.0	11.5	10.6	12.0	15.3	3.0
Vegetables & Preparations	1.0	12.1	13.5	12.3	18.2	51.5
Meats & Products	*	7.8	9.4	11.4	15.8	4.5
Dairy Products	1.0	1.7	1.2	0.8	1.0	2.1
Soybeans & Products	2.0	8.0	12.7	19.1	21.1	15.7
Poultry Products	*	*	*	*	0.4	NA
Flaxseed	6.0	NA	NA	NA	NA	NA
Sunflower Seeds & Oil	NA	81.8	135.8	249.2	347.4	367.2
Feed & Fonder	NA	NA	NA	NA	NA	13.1
Seeds	NA	NA	NA	NA	NA	8.7
Other Products	16.0	35.0	47.7	73.6	59.4	35.9

Product	Export Value in Millions of Dollars for the Fiscal Year				
	1982	1983	1984	1985	1986
TOTAL	$1,836.9	$1,552.6	$1,897.6	$1,320.8	$1,007.2
Wheat & Flour	1,187.3	1,051.7	1,203.6	805.5	678.0
Feed Grains	111.0	62.1	139.7	90.4	49.4
Hides & Skins	3.9	4.1	5.3	5.8	5.9
Lard & Tallow	3.4	2.9	3.1	3.0	2.1
Vegetables & Preparations	72.5	12.7	12.8	16.5	19.1
Meats & Products	5.2	5.1	5.2	6.2	6.9
Dairy Products	3.2	2.7	3.2	3.5	3.5
Soybeans & Products	27.1	30.9	66.0	48.2	33.8
Poultry Products	NA	NA	NA	NA	NA
Flaxseed	NA	NA	NA	NA	NA
Sunflower Seeds & Oil	358.8	316.3	391.2	286.7	145.3
Feed & Fonder	23.6	22.6	21.2	16.1	25.6
Seeds	9.0	10.0	9.8	10.6	11.0
Other Products	32.0	31.5	36.5	28.2	26.6

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* Less than $500,000.

TABLE 8.23

VALUE OF EXPORT SHARE OF AGRICULTURAL COMMODITIES, NORTH DAKOTA* (Millions of Dollars)

Commodity or Group	1981		1982		1983	
	Dollars	% of U.S.	Dollars	% of U.S.	Dollars	% of U.S.
Wheat & Flour	1,265.9	15.7	1,187.3	15.5	1,051.7	16.9
Feed Grains & Products	78.3	0.7	111.0	1.4	62.1	0.8
Sunflower Seeds & Oil	367.2	58.3	358.8	70.4	316.3	69.5
Soybeans & Products	15.7	0.2	27.1	0.3	30.9	0.4
Vegetables & Preparations	51.5	3.6	72.5	5.0	12.7	1.3
Dairy Products	2.1	0.9	3.2	0.9	2.7	0.8
Animals & Meats excluding Poultry	4.5	0.4	5.2	0.4	5.1	0.4
Hides & Skins	3.0	0.3	3.9	0.4	4.1	0.4
Fats, Oils & Greases	3.0	0.4	3.4	0.5	2.9	0.5
Feeds & Fodder	13.1	2.5	23.6	3.9	22.6	4.0
Seeds	8.7	3.0	9.0	3.0	10.0	3.0
Other	35.9	1.6	32.0	2.1	31.5	2.3
TOTAL	1,848.8	4.2	1,836.9	4.7	1,552.6	4.5

Commodity or Group	1984		1985		1986	
	Dollars	% of U.S.	Dollars	% of U.S.	Dollars	% of U.S.
Wheat & Flour	1,203.6	17.7	805.5	17.8	678.0	19.1
Feed Grains & Products	139.7	1.5	90.4	1.2	49.4	1.0
Sunflower Seeds & Oil	391.2	76.5	286.7	73.5	145.3	70.5
Soybeans & Products	66.0	0.9	48.2	0.9	33.8	0.6
Vegetables & Preparations	12.8	1.3	16.5	1.7	19.1	1.9
Dairy Products	3.2	0.8	3.5	0.8	3.5	0.8
Animals & Meats excluding Poultry	5.2	0.4	6.2	0.5	6.9	0.5
Hides & Skins	5.3	0.4	5.8	0.4	5.9	0.4
Fats, Oils & Greases	3.1	0.4	3.0	0.5	2.1	0.4
Feeds & Fodder	21.2	3.9	16.1	3.4	25.6	4.6
Seeds	9.8	3.0	10.6	3.0	11.0	3.0
Other	36.5	2.4	28.2	2.0	26.6	1.8
TOTAL	1,897.6	5.0	1,320.8	4.2	1,007.2	3.8

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

* State export shares are based on North Dakota's portion of United States production or farm sales of individual commodities. No attempt was made to trace actual commodity shipments.

TABLE 8.24

FARM REAL ESTATE: AVERAGE VALUE PER ACRE, VALUE OF BUILDINGS AND TOTAL VALUE, NORTH DAKOTA, SELECTED YEARS, 1940-1986

Year	Average Value Per Acre	Average Size of Farm (acres)	Value of Buildings (Millions)	Total Value (Millions)
1940	$ 13	$ ---	$ 140	$ 490
1945	19	---	225	787
1950	29	---	275	1,189
1955	36	---	348	1,514
1960	53	---	477	2,221
1965	67	---	500	2,873
1970	94	921	651	4,045
1975	195	1,007	1,220	8,249
1976	236	1,012	1,417	9,912
1977	275	1,020	1,592	11,495
1978	301	1,017	1,824	12,493
1979	347	1,030	1,577	14,470
1980	399	1,043	1,713	16,627
1981	423	1,073	1,836	18,007
1982	455	1,108	1,883	18,655
1983	439	1,123	1,799	17,999
1984	439	1,155	1,781	17,999
1985	360	1,203	1,442	14,724
1986	317	1,233	1,256*	12,894
1987P	NA	NA	NA	11,475

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years; U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years; and U.S. Dept. of Commerce Bureau of the Census, Historical Statistics of the United States, Colonial Times to 1970.

P Preliminary.

NA = Not Available.

* Results from North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1986.

TABLE 8.25

INDEX NUMBERS OF AVERAGE VALUE OF LAND AND BUILDING PER ACRE: UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1984

Year (1977=100)

	1950	1955	1960	1965	1970	1975
United States*	14.1	18.7	24.2	30.6	41.5	75.2
NORTH DAKOTA	11.3	14.6	19.7	24.8	34.4	76.0
South Dakota	17.2	20.9	25.8	29.9	38.9	74.6
Montana	10.7	15.1	22.1	27.9	38.8	73.8
Wyoming	13.4	16.4	22.6	32.2	42.5	79.9
Nebraska	15.0	20.0	22.6	28.0	37.4	70.1
Minnesota	12.8	16.0	21.7	24.3	32.1	65.5

	1980	1981	1982	1983	1984
United States*	144.9	158.3	157.0	148.0	146.0
NORTH DAKOTA	136.3	144.6	147.0	142.0	142.0
South Dakota	140.8	149.8	150.0	140.0	136.0
Montana	141.8	147.8	157.0	146.0	149.0
Wyoming[1]	125.8	134.6	140.0	133.0	136.0
Nebraska	136.9	150.7	143.0	129.0	114.0
Minnesota	154.1	178.8	174.0	155.0	144.0

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Farm Real Estate Market Developments.

[1] Indexes for 1981 were estimated using the average of the percentage changes in the Montana, Idaho, and Colorado indexes.

* Excludes Alaska and Hawaii.

TABLE 8.28

TAXES LEVIED ON FARM REAL ESTATE, NORTH DAKOTA, SELECTED YEARS, 1925-1986

Year	Total Taxes (Million Dollars)	Amount Per Acre (Dollars)	Amount Per $100 Full Value (Dollars)
1925	$12.8	$ 0.37	$1.30
1930	14.5	0.38	1.70
1935	8.9	0.23	1.31
1940	8.4	0.22	1.70
1945	9.5	0.25	1.12
1950	17.0	0.43	1.45
1955	20.1	0.50	1.35
1956	18.3	0.46	1.32
1957	19.9	0.50	1.31
1958	19.9	0.50	1.21
1959	24.2	0.61	1.16
1960	25.7	0.65	1.18
1961	27.4	0.69	1.22
1962	29.1	0.73	1.24
1963	30.1	0.75	1.21
1964	31.6	0.78	1.19
1965	34.2	0.84	1.19
1966	35.0	0.87	1.14
1967	36.5	0.90	1.11
1968	38.4	0.95	1.09
1969	43.5	1.08	1.17
1970	47.6	1.18	1.21
1971	49.4	1.22	1.24
1972	52.2	1.27	1.23
1973	51.5	1.27	1.12
1974	53.1	1.32	0.87
1975	60.3	1.50	0.74
1976	63.5	1.58	0.65
1977	70.1	1.74	0.62
1978	71.7	1.78	0.58
1979	74.3	1.85	0.51
1980	80.4	2.00	0.48
1981	80.2	2.00	0.46
1982	86.3	2.15	0.48
1983	88.1	2.19	0.51
1984	91.7	2.28	0.50

SOURCE: North Dakota Crop and Livestock Reporting Service, *North Dakota Agricultural Statistics*, various years; and U.S. Dept. of Agriculture, Statistical Reporting Service, *Farm Real Estate Taxes*; and U.S. Dept. of Agriculture, *Agricultural Statistics*, various years.

TABLE 8.19--Continued

	1980	1981	1982	1983	1984	1985
Intermediate Product Expenses[6]	$1,149.1	$1,205.4	$1,164.5	$1,159.3	$1,153.1	$1,185.7
Feed	89.8	83.8	72.9	89.6	82.6	84.5
Livestock	27.2	24.1	28.0	34.9	34.6	36.9
Seed[1]	79.7	92.3	92.2	86.9	100.3	98.0
Fertilizer and Lime	223.0	205.2	158.6	140.3	129.7	160.8
Pesticides	91.3	111.5	116.9	113.6	130.1	135.5
Fuel and Oil	226.3	259.6	251.6	239.6	227.3	209.5
Electricity	22.4	26.0	30.8	32.4	32.7	31.3
Repair and Operation	185.1	182.0	181.2	181.0	184.5	171.9
Other Miscellaneous[7]	204.3	220.9	232.4	240.9	231.2	257.2
Interest: Real Estate	154.1	190.5	222.4	234.2	228.4	219.4
Non-Real Estate	265.7	315.3	333.7	321.7	322.8	275.5
Labor Expenses	87.7	81.3	89.1	85.4	85.5	87.5
Net Rent to Non-operating Landlords[8]	187.3	328.1	296.2	297.3	371.1	347.7
Capital Consumption	562.7	594.5	606.2	619.5	586.9	537.9
Business Taxes	80.5	80.2	85.6	82.8	86.0	94.5
TOTAL PRODUCTION EXPENSES	2,487.0	2,795.3	2,797.7	2,800.2	2,833.9	2,748.3

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1982; U.S. Dept. of Agriculture, Statistical Reporting Service, Farm Income Situation, various years; and U.S. dept. of Agriculture, Economic Research Service, Economic Indicators of the Farm Sector, 1985.

[6] Includes operator households.

[7] Includes machine hire and custom work expenses; marketing, storage and transportation expenses; and miscellaneous expenses. Definitions and data source for 1978 and later are not directly compatible with those of earlier years.

[8] Uses different data source for periods before 1979, 1979-83, and 1984 and later. Estimates are not directly compatible among periods.

TABLE 8.26

FARMS AND CROPLAND RENTING FOR CASH: GROSS RENT PER ACRE AND RATIO OF GROSS RENT TO VALUE, NORTH DAKOTA, 1980-86

	Farms		Cropland		Pasture	
Year	Gross Rent Per Acre Dollars	Ratio: Gross Rent to Value (Percent)	Gross Rent Per Acre Dollars	Ratio: Gross Rent to Value (Percent)	Gross Rent Per Acre Dollars	Ratio: Gross Rent to Value (Percent)
1970	$ 8.49	9.0%	$11.20	9.3%	$----	---%
1971	8.51	8.9	10.90	9.2	3.80	6.2
1972	8.66	8.6	11.10	9.1	4.00	6.2
1973	9.70	8.8	11.50	8.6	4.70	6.6
1974	13.40	9.0	17.40	8.9	6.20	6.3
1975	15.10	7.5	20.30	8.1	7.10	5.7
1976	19.90	7.3	25.00	7.7	7.20	5.5
1977	20.10	6.7	25.20	7.0	7.60	5.0
1978	19.70	6.5	24.70	6.6	7.40	4.8
1979	22.40	6.2	27.80	6.4	7.80	4.4
1980	24.10	6.0	30.40	6.4	8.70	4.6
1981	25.50	5.9	31.60	6.1	9.10	4.3
1982	27.30	5.8	32.90	6.1	9.20	4.4
1983	26.90	6.3	32.60	6.5	8.70	4.4
1984	27.36	6.5	32.42	6.7	9.86	5.1
1985	25.68	7.4	31.74	7.6	9.00	5.6
1986	26.89	8.1	29.69	8.1	7.78	5.8

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

TABLE 8.27

FARM REAL ESTATE DEBT: AMOUNT OF OUTSTANDING LOANS REPORTED BY PRINCIPAL LENDERS, OTHER DEBT, AND TOTAL DEBT, NORTH DAKOTA, JANUARY 1, SELECTED YEARS, 1940-1986 (Thousands of Dollars)

Year	Federal Land Banks	Federal Farm* Mortgage Corp.	Farmers** Home Admin.	Life Insurance Companies	All Operating Banks	Individuals & Others	Farm Real Estate Debt
1940	$ 64,053	$29,755	$ 304	$ 6,572	$-------	$ 40,546	$ 141,230
1945	35,776	11,151	2,344	11,865	727	29,598	91,461
1950	12,274	2,938	2,516	9,696	3,151	38,533	69,108
1955	19,601	946	4,508	11,231	6,325	54,494	97,105
1960	36,889	-------	35,806	12,455	21,603	55,160	161,913
1965	84,615	-------	68,050	20,137	34,332	100,142	307,276
1970	146,665	-------	120,955	26,100	50,431	176,140	520,291
1975	247,316	-------	169,325	20,700	59,785	252,880	750,006
1976	295,751	-------	175,166	21,300	64,717	251,710	808,644
1977	381,916	-------	179,959	23,700	71,589	261,753	918,917
1978	493,671	-------	185,574	45,400	67,730	266,401	1,053,520
1979	574,823	-------	182,480	60,100	89,951	273,553	1,180,907
1980	931	-------	263	68	65	542	1,870
1981	1,156	-------	285	67	62	571	2,142
1982	1,270	-------	307	59	68	575	2,279
1983	1,342	-------	327	62	80	580	2,392
1984	1,358	-------	353	58	100	537	2,406
1985	1,273	-------	386	56	128	488	2,331
1986	NA	-------	NA	NA	NA	NA	NA

SOURCE: U.S. Dept. of Agriculture, Economic Research Service, Economic Indicators of the Farm Sector: State Financial Summary, 1985; Economics, Statistics and Cooperatives Service, Agricultural Finance Statistics; and Statistical Reporting Service, Farm Real Estate Market Developments.

* Starting in 1956, Federal Land Banks and Federal Farm Mortgage Corporated are combined.

** Starting in 1960, FHA includes both direct and insured loans. Before 1960, FHA insured loans were included in totals of all operating banks and individuals and others.

TABLE 8.30

ESTIMATED FARM TITLE TRANSFERS PER 1,000 OF ALL FARMS BY METHOD OF TRANSFERS, NORTH DAKOTA, SELECTED YEARS, 1930-1986

Year[a]	Method of Transfer					
		Forced Sales				Total
	Voluntary Sales	Fore-Closures[b]	Tax Sales[c]	Estate Settlement	All Other Sales[d]	All Classes
1930	26.5	30.1	12.2	----	13.6	82.4
1935	14.0	18.9	6.0	----	17.7	56.6
1940	26.3	33.1	16.3	----	12.6	88.3
1945	68.3	6.3	3.8	----	12.8	91.2
1950	36.4	1.1	(f)	----	(f)	47.2
1955	20.0	1.0	----	----	10.6	31.6
1960	24.0	1.5	0.3	----	14.4	40.2
1965	17.9	1.4	0.3	----	12.2	31.8
1966	19.5	1.4	1.1	----	12.6	34.6
1967	22.9	0.3	0.3	----	11.2	34.7
1968	25.2	0.6	(f)	----	11.2	37.0
1969	19.4	0.9	0.5	----	13.0	33.8
1970	21.1	0.4	(f)	----	13.3	34.8
1971	17.6	1.2	----	6.3	7.8	32.9
1972	23.6	1.6	----	5.9	6.2	37.3
1973	26.3	0.3	----	7.2	3.1	36.9
1974	24.0	0.3	----	7.2	2.8	34.3
1975	20.8	(e)	----	5.0	4.7	30.5
1976	20.2	1.0	----	5.3	5.3	31.9
1977	15.1	1.4	----	6.6	8.2	31.3
1978	13.1	1.8	----	5.4	6.8	27.0
1979	17.2	1.2	----	3.9	5.2	27.5
1980	19.2	1.2	----	5.0	4.1	29.5
1981	10.4	1.7	----	5.5	5.1	22.9
1985	5.5	5.6	----	----	----	----
1986	11.5	4.7	----	----	----	----

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

[a] Years ending March 1, 1930-1975 and February 1, 1976-1978.

[b] Includes loss of title by default of contract, sales to avoid foreclosure, surrender to title, and other transfers to avoid foreclosure.

[c] Included in "all other sales" after 1970.

[d] Includes sale resulting from inheritance and gifts and other unclassified and miscellaneous sales.

[e] Not available, included in "all other sales."

[f] None reported.

TABLE 8.29

TAXES LEVIED ON FARM REAL ESTATE, UNITED STATES AND NORTH CENTRAL STATES, 1980, 1981, AND 1984

	Taxes Levied on Farm Real Estate (Millions of Dollars)			Taxes Per Acre						Taxes Per $100 of Full Value		
				Amount			Index (1977=100)					
	1980	1981[1]	1984	1980	1981[1]	1984	1980	1981[1]	1984	1980	1981[1]	1984
U.S.	3,450.9	3,695.5	3,926.0	3.85	4.12	4.40	115	123	132	0.50	0.48	0.53
N.D.	80.4	80.2	91.7	2.00	2.00	2.28	115	114	131	0.48	0.46	0.50
S.D.	98.3	99.6	105.6	2.54	2.59	2.76	131	133	142	0.84	0.80	0.72
Neb.	224.0	245.7	269.9	5.03	5.51	6.07	155	170	187	0.82	0.82	0.96
Mont.	60.6	58.2	60.4	1.20	1.16	1.20	137	131	136	0.51	0.46	0.42
Wyo.	15.6	16.4	18.0	0.63	0.66	0.72	121	127	138	0.35	0.33	0.30
Minn.	128.3	146.4	171.6	4.66	5.25	6.15	125	141	165	0.44	0.43	0.56
Ill.	375.0	405.6	377.2	13.02	14.08	13.14	119	129	120	0.65	0.66	0.73
Ind.	122.9	129.7	151.2	7.43	7.80	9.04	144	151	175	0.41	0.40	0.57
Iowa	312.2	339.8	269.2	9.85	10.32	8.49	123	129	106	0.54	0.53	0.57
Kans.	126.9	133.9	157.5	2.69	2.82	3.32	102	107	126	0.47	0.48	0.57
Mich.	174.6	206.2	235.8	17.55	20.54	23.49	156	183	209	1.62	1.67	1.92
Mo.	86.5	87.4	77.9	2.92	2.95	2.64	109	110	98	0.33	0.31	0.31
Ohio	127.1	126.7	131.3	8.35	8.33	8.68	114	114	119	0.50	0.48	0.60
Wis.	213.1	244.5	263.4	12.58	14.43	15.63	145	167	180	1.28	1.31	1.49

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years.

[1] Total may not add due to rounding.

TABLE 8.31

PRODUCTION OF PRINCIPAL CROPS BY NORTH DAKOTA COUNTY, 1986[1]

County	Corn (Grain) (000 bu.)	Durum (000 bu.)	All Wheat (000 bu.)	Oats (000 bu.)	Barley (000 bu.)	Rye (000 bu.)
Adams	56.5	237.0	2,773.0	644.0	936.0	176.6
Barnes	1,483.3	465.0	8,960.0	480.0	8,408.0	51.8
Benson	413.9	3,922.0	5,890.3	462.0	3,030.0	39.5
Billings	5.1	-----	907.8	532.0	140.0	11.4
Bottineau	60.5	7,203.0	11,151.0	856.0	8,619.0	234.5
Bowman	41.0	590.0	2,361.5	382.0	776.0	97.5
Burke	24.8	1,766.0	5,415.7	570.0	2,568.0	49.0
Burleigh	403.0	271.0	3,965.5	1,465.0	1,410.0	62.4
Cass	6,825.0	693.0	10,388.6	351.0	10,045.0	16.5
Cavalier	22.7	3,360.0	11,355.0	228.0	10,892.0	6.0
Dickey	3,442.9	798.0	3,978.0	624.0	2,635.0	231.0
Divide	4.0	4,998.0	6,693.6	444.0	2,580.0	166.6
Dunn	10.0	135.0	3,101.0	1,400.0	1,134.0	45.6
Eddy	314.9	210.0	2,485.0	499.0	1,475.0	99.0
Emmons	657.6	70.0	3,828.0	1,262.0	1,310.0	43.5
Foster	400.3	325.0	3,976.5	330.0	1,444.0	34.0
Golden Valley	4.6	267.0	1,571.0	226.0	666.0	3.0
Grand Forks	1,667.8	438.0	9,389.0	320.0	8,925.0	9.3
Grant	308.7	61.0	2,651.0	1,254.0	1,965.0	137.5
Griggs	202.1	168.0	3,274.0	319.0	3,200.0	3.7
Hettinger	377.6	759.0	7,387.2	672.0	2,479.0	126.0
Kidder	562.4	133.0	2,104.0	943.0	1,047.0	52.0
LaMoure	2,050.9	432.0	4,550.0	763.0	3,592.0	312.0
Logan	124.2	130.0	2,602.0	568.0	1,360.0	28.8
McHenry	690.0	783.0	5,178.2	1,612.0	3,965.0	328.5
McIntosh	108.8	226.0	2,863.0	1,098.0	1,021.0	173.0
McKenzie	10.4	1,452.0	4,128.4	728.0	1,327.0	15.2
McLean	583.9	5,270.0	11,557.0	1,888.0	4,595.0	79.2
Mercer	27.8	442.0	2,627.0	1,412.0	631.0	19.6
Morton	466.1	30.0	3,770.0	2,098.0	2,248.0	26.6

TABLE 8.31--Continued

County	Corn (Grain) (000 bu.)	Durum (000 bu.)	All Wheat (000 bu.)	Oats (000 bu.)	Barley (000 bu.)	Rye (000 bu.)
Mountrail	29.4	6,401.0	8,601.3	831.0	3,410.0	52.5
Nelson	83.1	2,195.0	6,262.4	304.0	4,187.0	21.0
Oliver	44.4	16.0	1,395.6	952.0	721.0	7.2
Pembina	495.6	44.0	9,444.0	180.0	5,168.0	15.5
Pierce	169.4	1,581.0	3,909.5	613.0	2,427.0	123.0
Ramsey	35.3	4,503.0	7,858.6	189.0	4,646.0	3.0
Ransom	4,901.8	105.0	3,176.0	634.0	2,220.0	49.5
Renville	24.0	2,225.0	6,776.0	1,066.0	4,549.0	17.4
Richland	14,094.6	229.0	5,918.0	496.0	2,756.0	38.0
Rolette	-----	3,286.0	4,196.0	222.0	2,907.0	67.5
Sargent	3,537.9	255.0	2,983.0	407.0	1,968.0	43.2
Sheridan	134.4	154.0	3,321.5	624.0	1,518.0	16.0
Sioux	13.2	108.0	836.5	423.0	377.0	39.0
Slope	10.8	236.0	2,427.5	315.0	1,066.0	80.5
Stark	15.2	431.0	4,310.0	1,549.0	1,417.0	117.0
Steele	624.0	153.0	4,412.0	168.0	4,977.0	-----
Stutsman	1,114.9	2,579.0	11,707.0	1,305.0	6,383.0	283.5
Towner	65.5	5,009.0	5,713.0	81.0	4,577.0	23.1
Traill	965.7	141.0	5,350.4	170.0	6,813.0	-----
Walsh	576.0	896.0	10,523.0	298.0	5,990.0	5.8
Ward	159.5	7,420.0	13,732.0	2,070.0	6,678.0	27.5
Wells	832.5	1,159.0	6,796.0	459.0	3,478.0	127.5
Williams	12.0	2,740.0	9,288.4	714.0	3,294.0	413.0
NORTH DAKOTA	49,290.0	77,500.0	289,820.0	38,500.0	175,950.0	4,250.0

TABLE 8.31--Continued

County	Flaxseed (000 bu.)	Potatoes (cwt.)	Sugar Beets (tons)	Soybeans (000 bu.)	Sunflowers (000 lbs.)	All Hay (tons)
Adams	2.7	-----	-----	-----	8.240	91.3
Barnes	449.9	-----	-----	112.0	145.960	80.0
Benson	416.0	-----	-----	-----	58.690	79.2
Billings	1,600.0	-----	-----	-----	0.465	137.8
Bottineau	367.2	-----	-----	-----	27.550	64.5
Bowman	1.0	-----	-----	-----	3.500	90.5
Burke	96.6	-----	-----	-----	12.780	42.5
Burleigh	182.5	-----	-----	-----	17.050	213.6
Cass	144.0	-----	334.6	5,987.0	84.980	59.6
Cavalier	655.0	-----	-----	-----	17.860	19.0
Dickey	98.8	-----	-----	27.0	38.420	129.7
Divide	30.0	-----	-----	-----	4.686	43.4
Dunn	6.0	-----	-----	-----	5.954	328.7
Eddy	88.4	-----	-----	2.0	45.788	79.5
Emmons	154.0	-----	-----	-----	5.985	213.7
Foster	93.6	-----	-----	2.7	97.400	34.2
Golden Valley	-----	-----	-----	-----	0.450	40.7
Grand Forks	136.8	4,866.0	241.3	1,060.0	64.750	28.3
Grant	7.5	-----	-----	-----	14.625	189.1
Griggs	237.6	-----	-----	60.0	49.230	47.2
Hettinger	27.5	-----	-----	-----	22.180	76.1
Kidder	130.5	-----	-----	-----	6.000	237.9
LaMoure	277.3	-----	-----	42.0	82.304	115.8
Logan	195.2	-----	-----	-----	7.330	194.0
McHenry	214.0	-----	-----	-----	71.860	195.1
McIntosh	152.0	-----	-----	-----	14.480	148.6
McKenzie	8.0	-----	176.8	-----	0.910	170.4
McLean	525.4	-----	-----	-----	99.061	121.0
Mercer	42.5	-----	-----	-----	8.045	120.6
Morton	56.0	-----	-----	-----	15.310	276.7

TABLE 8.31--Continued

County	Flaxseed (000 bu.)	Potatoes (cwt.)	Sugar Beets (tons)	Soybeans (000 bu.)	Sunflowers (000 lbs.)	All Hay (tons)
Mountrail	79.2	-----	-----	-----	22.423	100.8
Nelson	315.0	-----	-----	38.4	63.175	43.4
Oliver	61.6	-----	-----	-----	10.350	93.8
Pembina	202.4	5,490.0	655.5	252.0	9.270	39.5
Pierce	285.0	-----	-----	-----	41.145	76.7
Ramsey	513.0	-----	-----	7.6	42.755	20.7
Ransom	44.2	-----	-----	148.5	48.027	75.0
Renville	352.0	-----	-----	-----	12.614	32.0
Richland	36.0	-----	401.2	6,461.5	27.554	64.6
Rolette	184.8	-----	-----	-----	20.515	77.0
Sargent	43.5	-----	-----	191.0	53.805	88.3
Sheridan	298.8	-----	-----	2.2	46.022	78.9
Sioux	8.0	-----	-----	-----	1.590	147.9
Slope	4.0	-----	-----	-----	4.790	89.6
Stark	18.2	-----	-----	-----	6.545	216.0
Steele	301.0	-----	-----	405.0	39.880	10.3
Stutsman	390.7	-----	-----	8.1	155.680	145.2
Towner	513.0	341.0	-----	-----	20.810	23.1
Traill	18.0	-----	530.4	1,641.0	18.430	20.2
Walsh	266.8	9,399.0	518.4	125.0	39.780	36.0
Ward	476.0	-----	-----	-----	57.192	108.9
Wells	310.0	-----	-----	99.0	124.950	75.0
Williams	19.2	-----	73.8	-----	4.545	93.4
NORTH DAKOTA	9,538.0	21,600.0[2]	2,932.0	16,685.0[3]	1,983.690	5425.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, 1987.

[1] Preliminary.

[2] State total includes 704,000 cwt. produced in all other counties.

[3] State total includes 13.000 bu. produced in all other counties.

TABLE 8.32

CORN (GRAIN) PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986
(Thousands of Bushels)

County	1975	1980	1981	1982	1983	1984^{P}	1985^{R}	1986^{P}
Adams	9.3	-----	-----	24.0	72.0	58.5	-----	56.5
Barnes	87.3	217.6	1,167.0	802.4	689.7	930.1	803.4	1,483.3
Benson	10.0	77.5	306.2	339.0	222.4	525.3	96.5	413.9
Billings	4.4	-----	-----	-----	-----	9.6	-----	5.1
Bottineau	5.2	3.0	33.0	28.0	65.0	38.4	20.3	60.5
Bowman	3.2	-----	-----	-----	10.5	3.6	-----	41.0
Burke	-----	-----	-----	-----	-----	-----	-----	24.8
Burleigh	53.1	52.0	178.5	220.0	145.8	128.0	85.0	403.0
Cass	593.0	2,802.8	5,726.6	5,275.6	3,945.2	5,610.4	6,016.9	6,825.0
Cavalier	8.7	-----	29.4	56.0	32.8	18.8	-----	22.7
Dickey	596.3	1,087.1	2,551.4	2,082.3	1,622.5	2,887.5	2,054.4	3,442.9
Divide	10.0	2.0	-----	4.0	5.0	-----	-----	4.0
Dunn	16.5	-----	1.8	25.0	65.0	26.4	-----	10.0
Eddy	3.0	22.3	193.1	123.6	258.3	184.0	55.3	314.9
Emmons	81.3	4.0	493.9	228.0	264.0	424.4	287.6	657.6
Foster	3.0	12.0	470.9	189.2	166.4	312.0	144.0	400.3
Golden Valley	8.2	40.0	3.9	22.5	19.0	32.0	14.0	4.6
Grand Forks	72.7	195.5	1,507.6	1,350.5	823.7	1,209.3	750.3	1,667.8
Grant	57.5	15.4	256.3	137.7	429.6	369.0	230.6	308.7
Griggs	6.0	122.9	182.0	131.3	112.0	175.4	164.4	202.1
Hettinger	3.5	-----	-----	30.0	418.5	317.7	296.1	377.6
Kidder	60.7	162.0	642.5	557.0	297.6	470.3	285.0	562.4
LaMoure	124.1	231.3	945.6	1,417.5	943.5	1,498.7	1,244.6	2,050.9
Logan	4.3	24.6	126.4	54.0	180.0	128.7	72.0	124.2
McHenry	6.0	7.0	290.9	216.8	180.0	257.3	436.8	690.0
McIntosh	4.2	6.2	88.0	17.5	123.0	67.2	33.6	100.8
McKenzie	24.0	7.2	84.0	25.0	40.6	20.2	26.8	10.4
McLean	15.0	15.0	120.1	214.9	376.0	322.0	264.2	583.9
Mercer	24.0	-----	49.6	219.4	83.2	16.1	-----	27.8
Morton	49.5	13.2	90.2	208.8	363.6	250.1	75.4	466.1

TABLE 8.32--Continued

County	1975	1980	1981	1982	1983	1984^P	1985^R	1986^P
Mountrail	-----	-----	25.2	50.0	2.5	15.0	-----	29.4
Nelson	-----	40.0	257.0	168.0	156.0	203.0	63.7	83.1
Oliver	10.5	2.0	6.0	135.0	202.5	36.5	19.5	44.4
Pembina	4.0	104.0	1,132.2	663.0	472.0	542.8	247.0	495.6
Pierce	27.0	6.0	57.1	59.6	197.4	69.4	88.0	169.4
Ramsey	-----	-----	93.8	50.0	59.8	62.3	40.5	35.3
Ransom	1,031.3	1,674.7	4,583.8	4,201.5	2,362.5	3,974.4	4,370.6	4,901.8
Renville	15.0	-----	30.0	18.0	13.2	15.0	25.2	24.0
Richland	3,021.2	7,657.8	13,745.1	11,663.8	9,198.6	13,850.7	16,523.1	14,094.6
Rolette	11.0	-----	14.3	30.0	29.4	16.0	-----	-----
Sargent	1,022.0	1,561.1	2,678.3	1,560.5	1,869.3	2,877.3	2,884.2	3,537.9
Sheridan	-----	-----	37.5	81.0	12.6	32.8	39.0	134.4
Sioux	10.2	-----	-----	-----	22.0	30.4	10.7	13.2
Slope	2.0	-----	-----	-----	-----	21.0	13.6	10.8
Stark	-----	11.4	-----	52.5	152.0	63.9	7.8	15.2
Steele	2.5	217.9	608.9	631.6	402.9	605.0	565.0	624.0
Stutsman	11.1	55.0	863.6	486.1	488.4	690.9	325.1	1,114.9
Towner	-----	27.0	30.0	44.0	28.8	31.5	13.2	65.5
Traill	10.4	180.5	411.1	638.0	473.0	1,128.6	991.6	965.7
Walsh	-----	90.0	739.5	336.0	404.7	339.3	244.4	576.0
Ward	-----	12.0	263.9	158.4	75.4	68.3	91.4	159.5
Wells	4.0	60.0	436.8	308.0	555.1	612.0	285.6	832.5
Williams	13.8	-----	-----	25.0	12.0	2.9	13.6	12.0
NORTH DAKOTA	7,140.0	16,820.0	41,553.0	35,360.0	29,145.0	41,580.0	40,320.0	49,290.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

^{P} Preliminary.

^{R} Revised.

TABLE 8.33

TOTAL WHEAT PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986
(Thousands of Bushels)

County	1975	1980	1981	1982	1983	1984^R	1985	1986^P
Adams	2,449.0	719.2	2,484.2	2,959.0	2,194.4	3,285.0	2,881.0	2,773.0
Barnes	8,330.1	5,294.0	10,564.0	10,883.5	5,779.4	11,087.4	9,645.4	8,960.0
Benson	7,486.5	5,063.8	8,561.0	8,133.0	4,576.3	6,413.7	7,219.5	5,890.3
Billings	577.0	151.0	526.8	735.2	602.0	683.4	310.0	907.8
Bottineau	7,671.2	6,374.6	10,255.7	11,074.0	7,020.5	7,916.0	11,810.1	11,151.0
Bowman	2,349.4	937.8	1,832.0	2,615.2	1,701.3	2,646.4	1,821.7	2,361.5
Burke	4,212.3	4,153.1	4,912.6	4,558.5	3,535.5	3,467.0	3,786.8	5,415.7
Burleigh	3,889.9	1,108.8	4,630.8	3,951.5	2,294.0	3,545.3	4,448.1	3,965.5
Cass	8,807.9	10,697.9	13,743.6	13,751.8	8,079.8	14,159.2	16,054.6	10,388.6
Cavalier	9,081.8	9,624.0	12,677.6	14,732.8	7,696.2	11,629.2	16,410.8	11,355.0
Dickey	3,227.9	2,593.0	3,331.9	2,792.4	2,336.9	4,349.4	5,188.3	3,978.0
Divide	5,484.5	5,631.5	6,938.3	6,469.0	4,210.8	2,732.4	1,969.5	6,693.6
Dunn	2,272.2	738.6	2,652.0	3,037.6	2,082.4	2,935.8	2,871.5	3,101.0
Eddy	2,033.5	2,279.0	2,747.8	2,991.0	1,576.6	2,034.4	2,532.5	2,485.0
Emmons	4,178.2	839.6	5,072.3	4,499.0	2,755.0	5,179.0	4,493.9	3,828.0
Foster	3,258.6	2,339.0	4,927.8	4,302.0	2,511.0	4,023.6	4,038.0	3,976.5
Golden Valley	2,404.8	482.0	1,827.8	1,981.2	1,010.0	1,519.0	1,080.3	1,571.0
Grand Forks	10,640.0	5,169.0	11,170.4	11,227.7	6,938.0	10,371.0	11,464.2	9,389.0
Grant	2,410.5	1,054.4	32,242.4	2,963.4	2,189.0	2,598.0	3,205.2	2,651.0
Griggs	3,488.1	2,487.0	4,554.3	4,986.7	2,355.1	3,742.9	4,605.0	3,274.0
Hettinger	5,004.8	1,679.0	5,424.2	5,541.8	4,149.7	6,903.0	6,661.1	7,387.2
Kidder	2,554.0	781.0	3,181.0	2,435.6	1,601.0	2,271.9	2,348.5	2,104.0
LaMoure	5,231.2	4,034.8	5,674.0	6,304.0	3,486.8	6,707.6	5,937.4	4,550.0
Logan	2,692.3	1,139.0	3,369.0	3,256.0	1,615.0	2,999.5	3,086.0	2,602.0
McHenry	4,849.0	3,677.0	7,063.8	6,512.0	3,638.0	4,182.0	6,569.0	5,178.2
McIntosh	2,915.1	868.8	3,808.0	3,149.0	2,141.0	3,605.8	2,978.5	2,863.0
McKenzie	3,860.6	1,262.2	4,424.0	4,916.4	3,285.3	2,735.1	2,483.6	4,128.4
McLean	10,370.7	5,947.7	10,672.0	10,352.0	6,358.8	7,749.7	11,649.9	11,557.0
Mercer	2,094.0	1,101.0	2,697.0	2,773.0	1,388.0	2,009.0	3,162.0	2,627.0
Morton	2,965.7	1,037.6	3,541.8	3,884.0	2,069.8	3,292.3	3,822.0	3,770.0

TABLE 8.33--Continued

County	1975	1980	1981	1982	1983	1984^R	1985	1986^P
Mountrail	5,994.8	5,331.0	7,704.1	7,764.0	4,853.0	4,395.6	6,425.3	8,601.3
Nelson	5,779.0	3,665.5	8,542.0	8,632.0	4,366.9	6,920.6	7,462.4	6,262.4
Oliver	1,132.5	528.0	1,435.0	1,682.0	980.0	1,172.0	1,769.0	1,395.6
Pembina	10,154.6	6,909.1	10,376.6	11,242.0	6,502.9	11,278.2	12,540.0	9,444.0
Pierce	3,994.3	2,611.2	5,413.3	5,189.0	2,655.8	3,846.8	4,675.4	3,909.5
Ramsey	8,193.8	5,817.9	9,397.8	9,855.0	5,123.6	7,861.6	9,781.0	7,858.6
Ransom	2,037.5	2,097.0	3,732.4	3,061.2	2,335.4	4,152.0	3,966.5	3,176.0
Renville	4,889.1	3,611.4	6,659.8	6,841.0	4,057.0	5,492.0	7,414.5	6,776.0
Richland	3,914.2	6,252.4	8,679.0	6,401.0	4,961.9	7,804.0	10,441.0	5,918.0
Rolette	3,225.5	2,693.4	4,563.5	4,258.0	2,247.4	3,300.0	4,144.0	4,196.0
Sargent	2,675.1	3,555.0	4,431.7	3,177.4	2,531.5	4,815.9	5,836.3	2,983.0
Sheridan	3,705.1	2,058.0	4,639.0	3,497.2	2,241.5	2,937.7	3,978.8	3,321.5
Sioux	778.3	273.3	845.2	845.9	530.5	1,009.4	951.8	836.5
Slope	2,685.8	665.0	2,568.8	3,184.0	1,515.5	2,598.0	2,163.8	2,427.5
Stark	3,883.5	1,695.0	3,519.5	3,988.1	3,068.6	4,611.6	4,079.1	4,310.0
Steele	5,081.8	3,221.6	5,920.1	6,282.1	3,289.5	6,193.4	5,869.5	4,412.0
Stutsman	10,684.5	5,835.0	13,372.2	12,248.0	6,429.9	11,527.7	11,177.9	11,707.0
Towner	6,937.2	4,927.0	8,469.8	9,223.0	4,317.0	6,747.4	8,827.0	5,713.0
Traill	6,379.0	5,209.0	7,128.3	7,527.9	4,377.3	6,995.4	8,038.5	5,350.4
Walsh	10,097.1	5,882.5	12,267.8	11,366.5	6,933.4	12,490.6	13,210.6	10,523.0
Ward	9,660.3	6,644.8	10,467.0	13,007.5	8,587.2	10,350.4	14,797.9	13,732.0
Wells	7,370.4	5,604.3	8,459.0	7,763.9	4,858.8	6,693.7	7,417.3	6,796.0
Williams	8,347.8	5,297.2	10,467.0	10,027.0	6,187.8	4,222.0	3,753.0	9,288.4
NORTH DAKOTA	264,392.0	179,650.0	328,260.0	324,835.0	194,130.0	284,190.0	323,255.0	26,070.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

P Preliminary.

R Revised.

TABLE 8.34

OATS PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986
(Thousands of Bushels)

County	1975	1980	1981	1982	1983	1984	1985	1986P
Adams	598.4	20.0	204.0	935.0	1,758.0	1,162.0	744.0	644.0
Barnes	1,637.7	343.0	1,378.0	1,163.0	1,092.0	911.0	638.0	480.0
Benson	703.2	305.0	620.0	763.0	945.0	499.0	635.0	462.0
Billings	234.6	23.0	97.0	390.0	480.0	212.0	65.0	532.0
Bottineau	363.9	-----	669.0	972.0	1,793.0	700.0	1,190.0	856.0
Bowman	546.1	88.0	304.0	751.0	645.0	788.0	212.0	382.0
Burke	1,409.3	197.0	429.0	578.0	1,274.0	655.0	501.0	570.0
Burleigh	2,074.8	196.0	1,011.0	1,635.0	1,640.0	1,426.0	1,528.0	1,465.0
Cass	848.9	542.0	1,322.0	1,169.0	637.0	453.0	639.0	351.0
Cavalier	675.0	90.0	182.0	376.0	260.0	233.0	210.0	228.0
Dickey	1,562.0	442.0	1,236.0	904.0	1,068.0	1,229.0	1,123.0	624.0
Divide	258.3	303.0	393.0	531.0	663.0	365.0	134.0	444.0
Dunn	1,594.8	57.0	696.0	1,986.0	2,156.0	1,490.0	855.0	1,400.0
Eddy	701.1	363.0	583.0	1,076.0	792.0	730.0	744.0	499.0
Emmons	2,346.0	65.0	1,962.0	2,069.0	2,472.0	2,851.0	1,399.0	1,262.0
Foster	610.5	333.0	642.0	550.0	644.0	464.0	506.0	330.0
Golden Valley	638.6	39.0	250.0	566.0	400.0	318.0	221.0	226.0
Grand Forks	1,158.9	263.0	797.0	815.0	400.0	489.0	442.0	320.0
Grant	1,466.3	195.0	1,040.0	1,452.0	2,021.0	1,634.0	1,420.0	1,254.0
Griggs	771.6	236.0	686.0	934.0	754.0	470.0	602.0	319.0
Hettinger	545.4	82.0	410.0	754.0	1,274.0	981.0	936.0	672.0
Kidder	1,564.3	196.0	1,484.0	1,412.0	1,489.0	1,349.0	958.0	943.0
LaMoure	2,510.1	447.0	1,194.0	1,460.0	990.0	1,551.0	1,165.0	763.0
Logan	1,394.9	154.0	1,154.0	1,008.0	975.0	1,292.0	736.0	568.0
McHenry	1,873.8	636.0	1,874.0	2,089.0	2,350.0	1,520.0	2,181.0	1,612.0
McIntosh	1,292.0	92.0	1,383.0	1,288.0	1,973.0	2,267.0	1,251.0	1,698.0
McKenzie	863.1	68.2	588.0	954.0	940.0	394.0	200.0	728.0
McLean	1,449.1	478.0	1,215.0	1,756.0	2,652.0	2,048.0	2,404.0	1,888.0
Mercer	1,063.6	110.0	994.0	1,219.0	1,312.0	1,053.0	1,675.0	1,412.0
Morton	2,276.1	147.0	1,365.0	2,803.0	2,150.0	2,304.0	1,741.0	2,098.0

TABLE 8.34--Continued

Counties	1975	1980	1981	1982	1983	1984	1985	1986^{P}
Mountrail	809.9	245.0	679.0	1,215.0	1,786.0	943.0	537.0	831.0
Nelson	981.6	132.0	501.0	756.0	897.0	608.0	606.0	304.0
Oliver	712.3	210.0	756.0	1,023.0	1,000.0	828.0	1,026.0	952.0
Pembina	689.2	69.0	134.0	464.0	,208.0	269.0	244.0	180.0
Pierce	986.5	774.0	1,252.0	1,162.0	1,218.0	851.0	705.0	613.0
Ramsey	344.9	75.0	210.0	304.0	297.0	275.0	273.0	189.0
Ransom	941.5	554.0	1,156.0	1,218.0	1,218.0	1,006.0	1,089.0	634.0
Renville	916.0	373.0	955.0	1,218.0	2,139.0	1,234.0	1,361.0	1,066.0
Richland	697.2	1,120.0	1,885.0	1,561.0	1,170.0	1,240.0	1,537.0	496.0
Rolette	485.1	269.0	572.0	715.0	414.0	197.0	261.0	222.0
Sargent	1,506.9	761.0	1,392.0	891.0	936.0	744.0	885.0	407.0
Sheridan	924.5	178.0	829.0	722.0	1,008.0	546.0	924.0	624.0
Sioux	484.1	41.0	348.0	519.0	552.0	540.0	210.0	423.0
Slope	353.1	53.0	253.0	582.0	594.0	462.0	207.0	315.0
Stark	1,402.1	94.0	853.0	1,860.0	2,499.0	2,046.0	1,710.0	1,549.0
Steele	660.3	87.0	274.0	374.0	113.0	156.0	250.0	168.0
Stutsman	2,624.7	390.0	1,786.0	1,555.0	2,756.0	1,915.0	1,220.0	1,305.0
Towner	234.7	40.0	131.0	200.0	139.0	143.0	85.0	81.0
Traill	693.8	143.0	468.0	408.0	188.0	121.0	181.0	170.0
Walsh	1,069.3	151.0	458.0	469.0	524.0	319.0	336.0	298.0
Ward	1,836.3	532.0	1,741.0	2,389.0	3,875.0	2,474.0	2,857.0	2,070.0
Wells	997.2	200.0	619.0	680.0	1,131.0	716.0	741.0	459.0
Williams	846.4	184.0	746.0	1,007.0	969.0	419.0	220.0	714.0
NORTH DAKOTA	56,170.0	13,500.0	44,160.0	55,650.0	63,630.0	49,980.0	44,520.0	38,500.0

SOURCE: North Dakota Crop and Livestock Reporting Service, *North Dakota Agricultural Statistics*, various years.

P Preliminary.

TABLE 8.35

BARLEY PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986
(Thousands of Bushels)

County	1975	1980	1981	1982	1983R	1984	1985	1986P
Adams	156.4	22.0	70.0	208.0	713.0	875.0	895.0	936.0
Barnes	4,246.8	3,091.0	6,555.0	6,105.0	5,474.0	8,556.0	8,721.0	8,408.0
Benson	2,489.2	697.0	1,636.0	1,808.0	2,370.0	2,835.0	3,800.0	3,036.0
Billings	89.0	17.0	22.0	48.0	114.0	124.0	60.0	140.0
Bottineau	2,269.9	1,768.0	3,630.0	3,536.0	5,629.0	5,740.0	10,168.0	8,619.0
Bowman	373.7	75.0	139.0	451.0	874.0	1,162.0	656.0	776.0
Burke	451.1	154.0	376.0	768.0	1,178.0	1,440.0	1,775.0	2,568.0
Burleigh	837.0	52.0	262.0	446.0	586.0	731.0	1,012.0	1,410.0
Cass	4,279.8	7,213.0	12,006.0	11,165.0	8,459.0	11,546.0	13,500.0	10,045.0
Cavalier	5,959.3	6,190.0	7,254.0	9,254.0	8,509.0	11,724.0	11,746.0	10,892.0
Dickey	1,766.4	606.0	1,414.0	1,143.0	1,342.0	2,449.0	2,860.0	2,635.0
Divide	211.7	75.0	413.0	743.0	1,392.0	1,425.0	858.0	2,580.0
Dunn	231.4	40.0	356.0	451.0	578.0	1,017.0	920.0	1,134.0
Eddy	376.3	161.0	371.0	306.0	645.0	740.0	1,081.0	1,475.0
Emmons	351.6	24.0	195.0	278.0	474.0	1,066.0	972.0	1,310.0
Foster	688.9	124.0	510.0	4,444.0	395.0	880.0	1,020.0	1,444.0
Golden Valley	165.8	78.0	252.0	498.0	443.0	561.0	495.0	666.0
Grand Forks	6,048.4	3,300.0	8,895.0	9,000.0	8,200.0	9,372.0	10,720.0	8,925.0
Grant	221.9	75.0	257.0	546.0	928.0	1,183.0	1,452.0	1,965.0
Griggs	2,130.9	655.0	2,432.0	2,109.0	2,328.0	3,355.0	4,114.0	3,200.0
Hettinger	273.5	56.0	333.0	427.0	1,364.0	1,753.0	1,778.0	2,479.0
Kidder	346.1	98.0	503.0	405.0	438.0	553.0	830.0	1,047.0
LaMoure	1,002.4	541.0	1,197.0	1,124.0	1,178.0	2,399.0	2,987.0	3,592.0
Logan	215.3	73.0	310.0	403.0	657.0	1,332.0	1,485.0	1,360.0
McHenry	806.9	416.0	1,354.0	1,325.0	1,763.0	1,870.0	3,103.0	3,965.0
McIntosh	257.5	70.0	224.0	231.0	488.0	817.0	972.0	1,021.0
McKenzie	336.7	77.0	351.0	465.0	792.0	1,007.0	756.0	1,327.0
McLean	366.8	119.0	485.0	579.0	1,156.0	1,931.0	3,110.0	4,595.0
Mercer	171.8	26.0	112.0	203.0	259.0	480.0	805.0	631.0
Morton	741.5	151.0	632.0	889.0	1,108.0	1,803.0	2,382.0	2,248.0

TABLE 8.35--Continued

Counties	1975	1980	1981	1982	1983[R]	1984	1985	1986[P]
Mountrail	167.4	169.0	334.0	680.0	1,480.0	1,856.0	2,537.0	3,410.0
Nelson	2,442.7	617.0	2,652.0	2,163.0	3,185.0	4,020.0	4,797.0	4,187.0
Oliver	166.8	146.0	311.0	345.0	375.0	440.0	728.0	721.0
Pembina	4,223.6	1,738.0	3,678.0	4,526.0	4,779.0	6,497.0	6,862.0	5,168.0
Pierce	1,090.8	424.0	1,402.0	1,622.0	1,425.0	1,840.0	2,670.0	2,427.0
Ramsey	3,396.8	1,364.0	2,562.0	2,714.0	3,854.0	4,960.0	5,995.0	4,646.0
Ransom	1,319.3	754.0	1,462.0	1,342.0	1,380.0	2,172.0	2,639.0	2,220.0
Renville	623.8	523.0	1,427.0	1,601.0	2,914.0	3,674.0	4,916.0	4,549.0
Richland	2,015.3	1,800.0	3,326.0	2,524.0	2,073.0	3,054.0	4,320.0	2,756.0
Rolette	1,497.9	890.0	1,680.0	1,597.0	1,833.0	2,205.0	3,264.0	2,907.0
Sargent	1,135.6	958.0	1,475.0	1,087.0	1,022.0	1,697.0	2,817.0	1,968.0
Sheridan	491.6	199.0	524.0	340.0	814.0	1,010.0	1,450.0	1,518.0
Sioux	87.7	8.0	31.0	99.0	134.0	212.0	245.0	377.0
Slope	202.7	115.0	277.0	437.0	726.0	1,125.0	863.0	1,066.0
Stark	301.4	62.0	165.0	325.0	836.0	988.0	1,015.0	1,417.0
Steele	3,879.5	2,274.0	4,987.0	4,370.0	4,264.0	5,460.0	6,240.0	4,977.0
Stutsman	2,242.5	376.0	1,673.0	1,659.0	2,025.0	4,322.0	5,440.0	6,383.0
Towner	2,958.5	1,813.0	2,475.0	3,312.0	3,680.0	4,687.0	5,720.0	4,577.0
Traill	4,263.0	4,627.0	9,107.0	8,024.0	5,995.0	7,576.0	8,326.0	6,813.0
Walsh	6,019.9	1,818.0	4,895.0	4,607.0	4,848.0	6,930.0	6,592.0	5,990.0
Ward	862.9	527.0	1,764.0	2,275.0	3,301.0	3,855.0	6,921.0	6,678.0
Wells	2,136.6	742.0	1,663.0	1,646.0	2,348.0	2,444.0	3,384.0	3,478.0
Williams	429.7	82.0	384.0	697.0	1,535.0	1,950.0	1,440.0	3,294.0
NORTH DAKOTA	79,800.0	48,000.0	100,800.0	103,350.0	114,660.0	153,700.0	184,250.0	175,950.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

[P] Preliminary.

[R] Revised.

TABLE 8.36

RYE PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986
(Thousands of Bushels)

County	1975	1980	1981	1982	1983R	1984	1985	1986P
Adams	44.2	23.5	33.2	82.4	145.7	129.2	81.6	176.6
Barnes	135.4	9.8	35.5	49.8	91.4	105.6	28.3	51.8
Benson	23.5	11.1	25.9	20.3	42.0	84.0	13.0	39.5
Billings	2.4	1.6	6.0	11.4	7.8	20.0	11.9	11.4
Bottineau	197.1	100.0	178.5	143.1	432.4	248.0	82.5	234.5
Bowman	2.0	1.6	7.8	22.4	101.5	162.0	66.0	97.5
Burke	31.4	7.2	14.1	24.0	97.5	112.9	30.0	49.0
Burleigh	18.2	3.3	32.5	40.0	63.9	124.2	47.5	62.4
Cass	47.1	15.3	12.0	11.1	29.7	75.6	10.4	16.5
Cavalier	29.1	1.5	2.8	3.1	13.2	7.2	2.4	6.0
Dickey	323.5	45.0	75.6	87.9	207.9	378.0	219.3	231.0
Divide	21.7	1.7	2.3	5.9	23.4	14.0	13.5	166.6
Dunn	5.8	1.4	4.1	10.5	13.8	15.2	74.6	45.6
Eddy	52.9	25.9	40.6	44.4	152.0	140.0	45.6	99.0
Emmons	34.1	2.0	33.1	33.0	23.8	37.7	49.4	43.5
Foster	44.0	37.1	47.4	43.6	94.3	134.0	28.0	34.0
Golden Valley	4.2	1.6	1.9	5.7	4.2	-----	1.8	3.0
Grand Forks	60.4	1.5	8.4	9.2	25.9	14.0	2.8	9.3
Grant	38.3	4.2	54.0	61.0	61.0	85.9	137.3	137.5
Griggs	10.8	1.6	4.5	3.3	8.4	-----	4.5	3.7
Hettinger	16.4	8.1	45.6	100.6	158.6	206.1	100.0	126.0
Kidder	37.2	23.4	54.0	53.6	46.8	88.4	42.0	52.0
LaMoure	247.0	61.2	86.4	89.1	204.4	411.6	234.5	312.0
Logan	60.9	15.4	22.4	18.0	17.0	29.0	14.0	28.8
McHenry	169.7	71.5	304.2	205.2	265.0	366.0	231.5	328.5
McIntosh	62.0	139.8	44.9	37.5	56.7	106.6	105.4	173.0
McKenzie	15.2	1.4	7.6	7.0	9.2	9.0	2.1	15.2
McLean	78.0	19.6	60.8	118.3	100.8	144.7	104.9	79.2
Mercer	1.8	1.4	9.0	13.8	13.2	51.0	50.0	19.6
Morton	8.0	1.1	25.6	26.1	37.2	47.6	20.8	26.6

TABLE 8.36--Continued

Counties	1975	1980	1981	1982	1983^R	1984	1985	1986^P
Mountrail	19.0	3.4	18.4	12.0	72.9	64.9	56.0	52.5
Nelson	8.5	1.4	5.0	6.2	13.2	41.8	9.0	21.0
Oliver	1.9	1.4	2.5	3.4	3.0	4.5	4.0	7.2
Pembina	43.5	6.0	16.5	15.5	32.8	79.6	14.0	15.5
Pierce	41.6	49.5	151.7	153.6	167.5	176.0	46.0	123.0
Ramsey	42.4	1.4	2.8	2.9	6.8	-----	-----	3.0
Ransom	231.7	43.2	36.4	44.9	111.6	116.2	48.0	49.5
Renville	49.6	8.5	27.5	34.7	86.4	56.1	18.3	17.4
Richland	75.8	54.0	46.2	45.5	126.0	164.9	54.6	38.0
Rolette	7.1	14.4	61.2	55.1	97.5	180.0	62.0	67.5
Sargent	156.0	92.4	81.7	83.2	259.2	211.5	115.2	43.2
Sheridan	25.0	13.3	29.0	32.5	59.4	80.6	18.2	16.0
Sioux	1.3	2.0	17.2	31.9	18.9	34.4	15.0	39.0
Slope	6.2	3.2	19.0	38.4	86.8	12.5	46.2	80.5
Stark	6.9	10.0	30.8	78.4	125.4	163.2	105.5	117.0
Steele	9.7	3.1	5.9	7.1	-----	8.8	-----	-----
Stutsman	194.5	60.0	165.9	218.3	204.0	265.4	56.2	283.5
Towner	6.1	1.5	2.8	3.0	23.1	57.8	19.2	23.1
Traill	11.1	1.6	2.9	3.7	-----	-----	-----	-----
Walsh	5.1	2.7	14.0	25.2	37.0	65.6	3.0	5.8
Ward	17.1	8.0	60.0	46.5	64.9	89.1	39.2	27.5
Wells	10.5	17.2	30.6	39.6	56.0	110.2	15.0	127.5
Williams	90.6	12.0	61.3	36.9	118.9	69.0	39.8	413.0
NORTH DAKOTA	2,975.0	1,050.0	2,170.0	2,400.0	4,320.0	5,400.0	2,640.0	4,250.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

P Preliminary.

R Revised.

TABLE 8.37

FLAXSEED PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986
(Thousands of Bushels)

County	1975	1980	1981	1982	1983^{R}	1984	1985	1986^{P}
Adams	21.9	1.5	4.5	13.0	22.0	11.6	4.0	2.7
Barnes	304.6	126.0	214.2	207.2	168.2	263.8	276.7	449.9
Benson	309.7	82.4	138.0	232.5	172.8	187.0	241.8	416.0
Billings	2.7	3.0	0.9	-----	2.7	2.0	3.0	1.6
Bottineau	261.4	239.0	205.5	248.0	199.6	138.6	182.1	367.2
Bowman	7.1	0.5	2.7	11.0	20.7	3.6	3.2	1.0
Burke	27.8	5.6	16.2	25.0	27.0	20.3	18.3	96.6
Burleigh	245.5	40.2	81.6	154.1	138.7	133.2	142.9	182.5
Cass	102.0	119.0	99.0	147.6	54.6	59.2	77.0	144.0
Cavalier	56.6	120.7	231.0	410.0	360.0	420.3	526.8	655.0
Dickey	324.9	104.0	60.9	91.3	47.7	63.7	80.3	98.8
Divide	3.2	3.0	6.0	17.4	9.9	10.4	11.2	30.0
Dunn	5.0	0.6	1.8	12.0	10.0	1.6	4.5	6.0
Eddy	163.5	56.7	55.0	70.2	35.2	35.7	60.4	88.4
Emmons	407.4	42.5	62.2	171.0	149.0	183.9	136.0	154.0
Foster	126.7	42.0	49.0	69.0	51.7	61.1	69.5	93.6
Golden Valley	2.1	-----	-----	-----	1.4	1.0	-----	-----
Grand Forks	148.2	37.2	43.4	98.2	44.7	42.0	72.0	136.8
Grant	36.3	2.0	5.3	30.8	15.4	6.8	5.6	7.5
Griggs	242.7	54.6	81.0	90.7	48.5	37.8	124.1	237.6
Hettinger	32.6	5.5	9.0	33.6	39.3	13.6	12.5	12.5
Kidder	138.2	25.8	96.0	149.5	97.7	102.9	72.0	72.0
LaMoure	221.1	206.0	218.8	339.8	226.1	244.8	228.8	228.8
Logan	297.0	69.0	120.0	150.0	102.6	146.4	100.1	100.1
McHenry	231.8	60.8	104.5	136.5	127.7	91.8	148.4	148.4
McIntosh	554.8	162.4	197.7	261.0	174.6	199.5	100.2	100.2
McKenzie	7.6	-----	1.1	3.9	3.3	-----	-----	-----
McLean	239.7	79.2	126.0	271.0	223.3	213.9	325.7	325.7
Mercer	38.4	5.5	17.6	26.4	35.0	33.8	30.7	30.7
Morton	17.9	1.8	10.5	34.1	22.1	23.0	22.5	22.5

TABLE 8.37--Continued

County	1975	1980	1981	1982	1983[R]	1984	1985	1986[P]
Mountrail	169.6	3.6	7.7	14.3	36.3	8.4	19.6	19.6
Nelson	38.5	126.4	181.3	162.0	94.0	106.3	170.0	170.0
Oliver	109.4	11.7	27.5	50.7	40.8	52.2	47.3	47.3
Pembina	39.0	12.1	31.3	48.0	59.2	67.5	120.0	120.0
Pierce	320.7	68.8	186.0	224.0	147.4	178.9	181.0	181.0
Ramsey	172.5	89.7	247.0	307.5	210.0	297.0	428.8	428.8
Ransom	50.0	58.0	33.6	40.0	28.8	34.8	36.4	36.4
Renville	133.0	37.0	39.2	71.6	109.2	80.0	121.1	121.1
Richland	114.3	48.3	45.0	24.0	16.2	16.8	35.1	35.1
Rolette	64.9	17.6	56.0	77.0	54.0	60.0	46.7	46.7
Sargent	121.6	78.0	56.6	36.9	24.0	31.5	39.1	39.1
Sheridan	149.7	39.6	87.6	136.5	152.3	125.0	227.9	227.9
Sioux	9.3	0.5	2.4	9.0	5.6	4.9	3.0	3.0
Slope	9.2	-----	-----	7.8	17.0	2.4	4.0	4.0
Stark	4.6	-----	3.6	22.1	20.7	12.6	6.6	6.6
Steele	291.8	49.5	51.8	67.5	47.3	61.3	146.2	146.2
Stutsman	326.6	110.1	183.9	322.8	222.2	282.6	319.0	319.0
Towner	51.5	47.9	155.0	225.0	198.7	293.0	348.5	348.5
Traill	117.6	29.7	30.0	19.5	17.4	15.4	24.0	24.0
Walsh	122.8	91.0	99.2	123.5	126.9	96.0	137.7	137.7
Ward	247.2	33.3	108.5	188.5	186.8	124.8	221.4	221.4
Wells	431.5	51.0	103.5	176.0	144.9	166.7	236.0	236.0
Williams	26.2	-----	3.9	14.0	8.8	3.6	8.3	8.3
NORTH DAKOTA	7,700.0	2,700.0	4,000.0	5,873.0	4,600.0	4,875.0	6,008.0	6,008.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

[P] Preliminary.

[R] Revised.

TABLE 8.38

POTATO PRODUCTION IN CWT. BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986
(000 omitted)

Counties	1975	1980	1981	1982	1983^R	1984^R	1985^R	1986^P
Grand Forks	5,442	3,245	4,744	4,201	4,640	3,875.0	5,040	4,866
Pembina	3,910	3,900	4,888	3,709	5,115	5,989.5	6,160	5,490
Towner	400	336	382	397	384	300.0	522	341
Traill	1,056	588	910	718	720	630.0	945	800
Walsh	6,359	7,462	8,992	8,049	9,317	9,345.5	10,355	9,399
Other Counties	432	149	209	176	304	475.0	608	704
NORTH DAKOTA	17,600	15,680	20,125	17,250	20,480	20,615.0	23,630	21,600

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

^{P} Preliminary.

^{R} Revised.

TABLE 8.39

SUCAR BEET PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986

(In Thousand Tons)

Counties	1975	1980	1981	1982	1983[R]	1984[R]	1985[R]	1986[P]
Cass	186.8	268.9	328.2	288.4	252.8	261.8	266.8	334.6
Grand Forks	152.0	143.7	226.2	189.4	199.3	173.0	172.0	241.3
McKenzie	109.4	112.9	123.9	147.1	143.5	136.0	156.8	176.8
Pembina	371.9	417.4	492.4	431.4	443.8	475.8	486.7	655.5
Richland	275.0	296.8	377.3	401.5	373.0	375.4	406.0	401.2
Steele	-----	-----	-----	4.6	3.8	4.9	-----	-----
Traill	312.4	358.2	521.3	481.3	439.2	393.6	427.5	530.4
Walsh	345.2	361.4	564.4	469.7	486.6	430.9	437.9	518.4
Williams	51.9	53.5	56.4	62.4	62.0	57.6	69.3	73.8
Other Counties	15.4	4.2	4.9	-----	-----	-----	-----	-----
NORTH DAKOTA	1,820.0	2,017.0	2,695.0	2,476.0	2,404.0	2,309.0	2,423.0	2,932.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

[P] Preliminary.

[R] Revised.

TABLE 8.40

SOYBEAN PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986
(Thousands of Bushels)

County	1975	1980	1981	1982	1983^R	1984	1985	1986^P
Barnes	----	13.6	24.5	47.5	101.8	188.7	122.0	112.8
Cass	1,200.6	1,329.4	2,652.8	3,177.7	4,560.0	4,833.2	4,138.2	5,987.0
Dickey	----	14.8	----	40.6	86.0	79.5	27.2	27.0
Grand Forks	----	104.7	312.0	557.6	1,296.0	1,663.1	736.0	1,060.0
Griggs	----	9.0	16.1	32.5	112.5	96.0	28.8	60.0
LaMoure	----	6.9	14.7	49.5	93.6	110.6	38.7	42.0
Pembina	----	35.7	220.5	363.0	792.0	759.0	297.0	252.0
Ransom	7.3	57.2	129.9	108.8	136.4	234.0	165.7	148.5
Richland	1,435.6	1,411.5	2,381.4	2,591.6	3,810.0	5,125.2	5,034.4	6,461.5
Sargent	37.3	78.7	66.0	57.2	86.0	122.4	84.0	191.0
Steele	----	31.8	123.8	275.0	490.0	604.8	283.0	405.0
Traill	206.2	313.6	768.8	1,139.3	1,959.2	2,400.0	1,550.0	1,641.0
Walsh	----	39.1	103.5	153.7	392.0	416.3	133.6	125.0
Wells	----	----	3.6	8.4	120.5	80.2	26.1	99.0
Other Counties	19.0	54.6	42.4	112.6	274.0	307.0	12.0	13.0
NORTH DAKOTA	2,906.0	3,500.0	6,860.0	8,715.0	14,310.0	17,020.0	12,740.0	16,685.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

P Preliminary.

R Revised.

TABLE 8.41

SUNFLOWER PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1986
(Thousands of Pounds)

County	1975	1980	1981	1982	1983^R	1984	1985^R	1986^P
Adams	----	4,855	11,830	19,190	18,560	28,490	20,240	8,240
Barnes	82,820	143,909	197,460	228,952	125,747	142,110	123,300	145,960
Benson	----	69,590	122,010	162,000	91,421	103,090	83,930	58,690
Billings	----	1,649	2,910	2,220	2,548	1,530	810	465
Bottineau	----	47,508	115,800	129,686	72,180	53,150	31,750	27,550
Bowman	----	2,248	5,190	5,810	5,340	9,060	4,390	3,500
Burke	----	8,336	15,580	19,059	18,784	16,640	9,890	12,780
Burleigh	----	5,866	22,670	43,760	28,612	29,820	24,240	17,050
Cass	76,110	191,228	152,110	148,750	63,673	88,460	99,570	84,980
Cavalier	----	38,317	50,040	48,096	46,440	58,300	28,930	17,860
Dickey	8,450	87,707	94,770	125,226	67,529	63,280	58,360	38,420
Divide	----	12,580	20,570	27,600	15,094	8,800	2,750	4,686
Dunn	----	1,301	4,900	4,300	5,504	9,620	9,500	5,954
Eddy	19,440	55,034	68,670	79,100	66,455	57,480	44,780	45,788
Emmons	----	3,567	11,280	23,800	7,830	15,670	9,300	5,985
Foster	35,720	55,240	107,240	128,169	84,842	103,800	97,580	97,400
Golden Valley	----	1,470	2,020	5,500	2,008	1,960	550	450
Grand Forks	66,430	95,043	102,700	114,464	74,100	86,020	52,770	64,750
Grant	----	10,431	19,320	30,225	28,171	30,710	27,440	14,625
Griggs	10,030	43,348	70,010	79,266	53,010	58,110	43,290	49,230
Hettinger	----	20,706	46,910	71,834	66,748	86,470	75,390	22,180
Kidder	----	5,349	18,850	29,988	15,810	21,770	11,790	6,000
LaMoure	25,300	104,372	125,220	162,000	98,012	109,390	93,180	82,304
Logan	----	8,929	14,610	21,600	15,200	12,920	10,370	7,330
McHenry	----	31,285	91,220	110,160	80,092	90,500	86,910	71,860
McIntosh	----	9,030	21,410	29,370	20,470	26,660	14,480	14,480
McKenzie	----	1,601	3,820	6,120	2,905	1,500	1,400	910
McLean	----	32,779	69,250	122,583	104,136	136,860	122,900	99,061
Mercer	----	2,400	4,960	9,540	6,300	12,090	7,290	8,045
Morton	----	4,120	12,830	24,995	16,132	20,740	19,380	15,310

TABLE 8.41--Continued

County	1975	1980	1981	1982	1983[R]	1984	1985[R]	1986[P]
Mountrail	----	10,245	16,200	33,790	29,044	39,890	30,170	22,423
Nelson	6,610	52,424	89,090	99,502	76,920	93,890	70,550	63,175
Oliver	----	1,801	3,720	5,425	4,995	7,170	12,120	10,350
Pembina	8,990	65,233	40,880	41,551	13,785	24,480	9,060	9,270
Pierce	----	25,772	76,960	94,080	63,027	68,660	51,030	41,145
Ramsey	----	66,221	100,070	129,833	98,261	99,260	65,790	42,755
Ransom	24,800	75,728	74,700	79,950	43,253	45,630	62,770	48,027
Renville	----	25,144	32,170	37,100	29,500	26,010	9,440	12,614
Richland	53,660	127,920	98,730	84,700	34,440	37,910	45,490	27,554
Rolette	----	16,408	38,410	48,400	41,040	40,880	20,470	20,515
Sargent	40,900	73,692	72,060	64,610	48,596	52,110	70,000	53,805
Sheridan	----	15,292	42,350	68,416	57,748	66,170	65,760	46,022
Sioux	----	1,921	1,000	2,800	2,550	3,360	4,220	1,590
Slope	----	2,287	5,160	5,600	5,680	10,000	8,650	4,790
Stark	----	3,348	5,880	8,426	9,900	22,790	21,560	6,545
Steele	24,110	65,053	76,100	82,550	43,314	43,740	34,730	39,880
Stutsman	12,420	160,103	296,850	281,787	179,055	193,400	150,290	155,680
Towner	----	32,147	51,370	67,284	48,519	48,920	27,450	20,810
Traill	19,630	71,027	55,370	44,232	10,446	8,580	15,520	18,430
Walsh	18,540	46,034	61,150	60,420	43,502	59,060	37,170	39,780
Ward	----	62,821	106,520	115,515	94,477	107,150	53,840	57,192
Wells	4,460	77,413	218,100	218,080	154,089	154,080	136,110	124,950
Williams	----	3,218	9,160	16,186	10,406	11,710	3,150	4,545
NORTH DAKOTA	547,800	2,181,050	3,158,160	3,703,600	2,446,400	2,749,850	2,221,800	1,903,690

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

[R] Revised.

[P] Preliminary.

TABLE 8.42

ALL HAY PRODUCTION BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986

(Thousands of Tons)

County	1975	1980	1981	1982	1983^{R}	1984^{P}	1985^{R}	1986^{P}
Adams	92.5	12.8	60.4	124.0	100.7	78.0	60.0	91.3
Barnes	114.9	49.5	73.8	60.0	66.3	64.2	61.2	80.0
Benson	103.8	55.3	91.9	73.9	83.0	64.8	65.5	79.2
Billings	40.3	9.7	38.3	101.3	76.2	63.2	47.6	137.8
Bottineau	65.8	41.5	100.5	97.0	76.6	54.6	61.8	64.5
Bowman	70.8	26.8	62.5	121.9	86.4	73.3	35.3	90.5
Burke	40.7	25.6	35.7	42.2	43.0	30.0	42.7	42.5
Burleigh	206.5	103.1	174.3	171.8	144.2	155.1	151.5	213.6
Cass	75.1	41.7	63.2	46.6	58.0	48.5	46.5	59.6
Cavalier	40.2	25.9	25.3	21.8	17.7	19.3	18.6	19.0
Dickey	158.6	63.9	116.5	86.7	111.4	113.9	90.6	129.7
Divide	41.1	22.8	32.8	44.0	40.1	25.1	17.6	43.4
Dunn	183.4	31.8	115.9	232.0	226.7	238.8	160.0	328.7
Eddy	75.8	55.6	74.3	57.4	56.0	65.4	66.2	79.5
Emmons	197.1	39.1	165.9	146.4	141.3	195.2	139.8	213.7
Foster	40.1	34.5	48.5	55.3	31.4	33.6	26.7	34.2
Golden Valley	41.9	9.5	39.3	50.3	45.2	30.8	21.8	40.7
Grand Forks	59.8	20.9	44.9	48.6	31.2	40.8	23.7	28.3
Grant	216.8	52.0	125.6	166.4	137.6	129.8	108.3	189.1
Griggs	55.1	45.4	60.1	54.9	48.7	39.6	39.0	47.2
Hettinger	91.1	19.6	50.8	91.8	86.8	68.3	58.5	76.1
Kidder	197.5	105.4	195.6	220.8	197.9	204.5	175.5	237.9
LaMoure	148.2	47.6	75.2	94.1	83.9	83.9	60.6	115.8
Logan	142.5	52.2	168.4	152.4	132.6	140.5	110.5	194.0
McHenry	205.4	132.0	228.8	256.7	221.3	261.0	176.6	195.1
McIntosh	166.4	42.0	136.8	116.7	117.2	136.2	91.6	148.6
McKenzie	122.5	40.4	95.2	141.8	125.8	91.0	77.7	170.4
McLean	112.6	68.7	135.0	130.6	119.4	109.6	113.2	121.0
Mercer	90.3	57.4	91.5	84.8	93.7	98.2	99.6	120.6
Morton	245.5	62.2	189.4	258.4	206.5	172.6	167.6	276.7

TABLE 8.42--Continued

County	1975	1980	1981	1982	1983^R	1984^P	1985^R	1986^P
Mountrail	84.6	54.6	92.2	138.8	93.4	72.9	73.4	100.8
Nelson	51.8	30.4	40.3	44.7	33.7	53.1	44.4	43.4
Oliver	96.0	38.3	75.4	98.8	76.4	78.4	92.3	93.8
Pembina	28.5	20.1	24.4	18.9	19.7	35.2	23.9	39.5
Pierce	70.3	44.5	80.4	77.3	79.5	84.0	68.1	76.7
Ramsey	36.3	20.9	29.9	28.0	18.0	22.4	15.7	20.7
Ransom	88.2	61.4	73.2	50.7	68.4	71.4	80.7	75.0
Renville	41.4	10.0	18.8	25.2	26.1	15.1	27.1	32.0
Richland	94.1	56.6	67.3	56.9	84.2	89.6	72.6	64.6
Rolette	69.2	43.2	61.4	84.6	78.3	80.6	79.5	77.0
Sargent	96.5	63.3	54.8	54.2	52.3	70.5	59.3	88.3
Sheridan	77.2	44.7	52.4	47.9	54.6	64.4	62.3	78.9
Sioux	63.7	13.6	61.8	93.0	80.1	87.1	56.6	147.9
Slope	70.7	9.2	37.9	74.7	75.1	70.2	57.9	89.6
Stark	174.2	31.7	78.8	166.5	155.3	133.2	136.4	216.0
Steele	31.4	13.5	19.4	18.4	19.2	10.2	8.8	10.3
Stutsman	241.8	107.7	174.4	147.6	153.0	179.4	125.6	145.2
Towner	30.8	18.4	37.0	23.2	19.3	27.9	17.2	23.1
Traill	26.2	18.4	34.0	28.5	25.2	22.0	20.5	20.2
Walsh	61.7	22.2	51.9	39.7	30.7	42.0	27.5	36.0
Ward	135.5	47.6	104.0	98.3	102.7	109.7	94.6	108.9
Wells	62.4	37.0	67.8	58.5	61.3	61.7	52.9	75.0
Williams	93.2	42.9	60.5	88.0	64.7	57.2	54.9	93.4
NORTH DAKOTA	5,268.0	2,245.0	4,315.0	4,913.0	4,478.0	4,468.0	3,768.0	5,425.0

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

P Preliminary.

R Revised.

TABLE 8.43

MILK COWS ON FARMS AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986

(Number of Head)

County	1975	1980	1981	1982	1983	1984	1985	1986^{P}
Adams	1,100	700	500	500	500	500	400	400
Barnes	2,600	1,600	1,500	1,600	1,500	1,600	1,700	1,800
Benson	1,700	1,500	1,700	1,700	1,600	1,700	1,600	1,500
Billings	600	400	300	300	400	500	500	400
Bottineau	900	900	800	600	500	400	400	400
Bowman	500	400	400	400	400	300	400	400
Burke	600	700	600	600	400	300	300	300
Burleigh	2,700	2,500	2,500	2,400	2,300	2,500	2,100	2,100
Cass	1,700	1,000	1,100	1,000	800	900	800	1,000
Cavalier	700	400	300	300	300	300	300	300
Dickey	2,300	2,500	2,300	2,500	2,100	2,200	2,500	2,900
Divide	400	300	200	200	200	200	200	200
Dunn	2,700	1,700	1,900	1,900	1,600	1,600	1,500	1,700
Eddy	1,000	700	600	600	700	700	700	800
Emmons	6,400	5,900	6,100	6,400	7,300	7,800	7,800	8,000
Foster	1,000	700	500	500	400	400	400	500
Golden Valley	1,100	700	700	900	1,000	1,000	900	700
Grand Forks	1,300	900	1,000	1,000	1,000	1,100	1,100	1,200
Grant	4,300	3,700	3,800	4,000	4,600	4,900	4,800	5,000
Griggs	1,100	1,100	1,100	1,100	1,200	1,200	1,100	1,000
Hettinger	2,300	2,000	2,000	2,000	2,700	2,800	2,800	2,700
Kidder	3,500	2,800	3,000	2,900	3,400	3,100	3,000	3,000
LaMoure	4,600	3,900	3,600	3,700	4,000	4,000	4,000	4,300
Logan	4,500	3,700	3,700	3,800	4,300	4,600	4,700	5,100
McHenry	3,600	2,600	2,800	2,900	3,200	3,800	3,300	3,500
McIntosh	4,800	4,500	4,500	4,700	4,500	5,100	4,800	5,200
McKenzie	700	400	500	400	400	500	500	500
McLean	3,000	2,100	2,300	2,600	2,300	2,400	2,100	2,100
Mercer	2,600	1,400	1,600	1,600	1,400	1,700	1,700	2,000
Morton	8,500	7,700	7,600	7,000	7,400	8,200	8,000	8,500

TABLE 8.43--Continued

County	1975	1980	1981	1982	1983	1984	1985	1986[P]
Mountrail	1,800	1,200	1,400	1,400	1,300	1,400	1,200	1,200
Nelson	1,100	1,000	1,100	1,100	1,100	1,000	900	800
Oliver	2,400	2,100	2,200	2,200	2,400	2,600	2,700	3,100
Pembina	500	200	200	200	200	200	200	200
Pierce	3,000	2,500	2,500	2,500	2,300	2,100	2,000	2,100
Ramsey	800	500	400	400	400	500	500	600
Ransom	1,200	1,300	1,200	1,200	1,200	1,200	1,200	1,100
Renville	1,000	600	700	700	600	700	600	600
Richland	3,200	2,100	2,000	2,000	2,300	2,500	2,600	2,600
Rolette	1,100	600	700	700	600	600	600	700
Sargent	1,900	1,700	1,600	1,700	1,500	1,500	1,400	1,500
Sheridan	2,400	1,700	1,800	1,700	1,700	1,600	1,800	1,600
Sioux	1,300	900	900	1,000	1,100	1,300	1,300	1,300
Slope	500	800	700	700	500	500	500	500
Stark	1,000	5,100	4,900	4,500	4,300	4,600	4,500	4,900
Steele	600	200	200	200	200	200	200	200
Stutsman	5,000	4,700	4,800	4,200	5,200	4,900	5,000	5,600
Towner	400	200	300	400	300	300	300	300
Traill	1,000	900	600	500	300	300	300	300
Walsh	1,000	1,000	1,000	1,000	800	800	800	800
Ward	4,100	2,000	1,900	1,600	2,100	2,100	2,100	2,400
Wells	2,300	1,700	1,600	1,500	1,700	1,500	1,500	1,800
Williams	600	600	600	500	400	300	400	300
NORTH DAKOTA	116,000	93,000	93,000	92,500	95,000	99,000	97,000	102,000

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

[P] Preliminary.

TABLE 8.44

SHEEP ON FARMS AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986

(Number of Head)

County	1975	1980	1981	1982	1983	1984	1985	1986^{P}
Adams	5,300	6,900	8,500	9,300	11,200	11,700	13,000	11,000
Barnes	3,400	4,900	6,200	5,800	4,700	4,500	5,300	5,300
Benson	4,800	2,600	3,200	2,900	2,100	2,000	1,800	1,700
Billings	300	300	400	400	400	500	600	700
Bottineau	4,600	3,500	4,000	3,500	2,400	1,900	1,700	1,400
Bowman	31,800	23,000	26,800	27,400	25,500	26,200	25,000	22,000
Burke	3,900	2,700	3,100	3,200	3,600	3,600	3,800	3,000
Burleigh	1,900	3,900	4,700	5,100	1,900	2,100	2,300	2,400
Cass	11,400	9,100	11,700	10,800	9,700	8,500	9,500	7,900
Cavalier	700	1,200	1,400	1,500	1,100	700	600	600
Dickey	8,100	9,300	10,400	10,700	9,100	9,200	9,500	7,200
Divide	2,300	2,000	2,200	2,500	2,300	2,500	2,600	2,400
Dunn	2,700	3,000	3,100	3,200	2,200	2,200	2,400	1,900
Eddy	7,000	6,100	6,300	6,000	5,800	5,100	4,600	3,200
Emmons	2,500	1,500	1,900	2,000	1,300	1,500	1,400	1,100
Foster	5,500	4,000	5,200	5,500	3,100	3,000	2,000	2,200
Golden Valley	2,200	2,800	3,600	4,000	4,000	3,700	4,000	3,800
Grand Forks	5,300	3,000	3,100	3,200	2,900	2,900	3,000	2,300
Grant	7,800	8,600	8,800	9,600	5,400	5,200	4,800	3,900
Griggs	2,200	2,400	3,100	2,900	2,500	2,300	2,000	1,700
Hettinger	800	1,600	2,000	2,100	1,100	1,100	1,000	1,000
Kidder	9,900	11,000	11,800	12,500	7,800	8,000	7,800	7,200
LaMoure	6,400	6,600	8,000	8,400	6,000	5,800	6,000	4,800
Logan	2,300	2,600	3,000	3,200	2,500	2,400	1,900	1,200
McHenry	3,200	3,900	4,700	4,100	4,700	4,400	3,800	3,400
McIntosh	2,100	3,200	3,900	4,000	2,200	1,900	1,000	1,300
McKenzie	27,800	20,000	20,400	21,900	13,800	14,500	17,000	13,500
McLean	3,300	2,500	3,000	3,100	2,900	2,600	2,600	2,000
Mercer	2,300	1,700	1,900	2,100	1,200	1,000	900	700
Morton	5,800	7,000	7,700	8,400	5,400	5,200	4,900	3,400

TABLE 8.44--Continued

County	1975	1980	1981	1982	1983	1984	1985	1986P
Mountrail	5,500	4,100	5,100	5,100	3,600	3,500	2,600	2,400
Nelson	4,200	3,000	3,300	3,500	2,200	2,000	2,200	1,700
Oliver	1,600	2,300	2,500	2,600	2,900	3,200	3,100	2,900
Pembina	2,600	2,000	2,100	2,200	1,300	1,200	300	700
Pierce	2,100	1,700	2,200	2,000	1,200	1,100	1,100	900
Ramsey	2,400	1,700	1,800	1,900	1,200	1,300	1,300	1,300
Ransom	7,900	7,500	7,700	7,900	4,100	3,800	3,000	2,200
Renville	1,700	1,000	1,200	1,500	400	400	400	400
Richland	3,200	2,500	3,100	3,200	3,500	3,300	2,900	2,300
Rolette	3,000	3,100	3,900	3,600	2,600	2,600	2,600	2,100
Sargent	7,000	5,200	6,300	6,400	3,600	3,600	3,900	3,000
Sheridan	800	1,000	1,300	1,400	700	700	600	500
Sioux	1,100	1,000	1,300	1,400	2,000	2,000	2,100	2,200
Slope	5,600	3,000	3,700	3,900	3,800	4,000	4,400	3,800
Stark	3,800	4,100	5,100	5,500	4,000	3,800	4,000	3,700
Steele	3,000	3,500	4,000	3,700	3,000	2,800	2,800	2,400
Stutsman	12,100	8,700	11,100	11,900	7,700	7,500	6,700	6,000
Towner	4,000	2,800	2,900	3,000	4,200	4,400	3,600	2,700
Traill	2,000	2,000	2,100	1,900	1,100	900	900	700
Walsh	2,000	1,300	1,400	1,500	1,100	1,000	900	700
Ward	3,500	4,200	5,200	5,000	5,600	5,400	4,800	4,400
Wells	5,400	5,000	5,200	5,600	3,900	3,700	3,000	2,400
Williams	4,400	4,400	5,400	5,200	9,500	10,400	8,800	6,400
NORTH DAKOTA	276,000	236,000	272,000	280,000	222,000	219,000	215,000	180,000

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

P Preliminary.

TABLE 8.45

HOGS ON FARMS AS OF DECEMBER 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1985

(Number of Head)

County	1975	1980	1981	1982	1983	1984	1985
Adams	3,100	2,000	2,000	1,500	2,090	2,000	2,500
Barnes	15,700	11,900	14,400	7,600	11,500	10,000	13,000
Benson	5,100	3,000	2,700	2,100	2,700	2,700	2,500
Billings	800	300	300	300	400	400	400
Bottineau	3,700	1,700	1,500	1,100	1,300	1,400	1,700
Bowman	1,600	1,700	2,100	1,500	1,900	1,600	1,800
Burke	900	700	720	400	400	500	600
Burleigh	12,500	7,700	7,400	6,400	9,900	10,500	12,000
Cass	28,400	21,500	25,700	18,600	19,500	20,500	23,000
Cavalier	5,000	4,700	4,400	3,500	3,200	4,000	3,400
Dickey	19,400	14,800	15,800	13,000	16,000	17,000	19,000
Divide	2,500	2,000	2,000	1,400	1,500	1,700	2,300
Dunn	6,000	3,400	3,000	2,100	2,800	2,900	3,300
Eddy	1,800	1,000	1,200	900	800	700	800
Emmons	7,600	5,600	5,200	5,500	6,000	5,400	5,700
Foster	3,500	2,900	3,400	3,000	3,500	4,300	2,700
Golden Valley	4,300	5,000	6,200	2,700	3,800	3,200	3,200
Grand Forks	5,100	5,100	5,000	4,900	5,400	5,500	6,400
Grant	11,700	11,000	11,400	8,700	11,600	11,000	13,000
Griggs	2,500	2,600	3,100	1,500	1,600	2,000	1,900
Hettinger	7,700	7,700	9,300	5,800	5,800	7,200	8,800
Kidder	4,300	2,500	2,500	2,300	3,200	3,000	2,600
LaMoure	11,200	9,700	10,400	8,000	11,000	8,000	7,000
Logan	1,300	1,700	1,900	1,300	2,000	1,700	2,000
McHenry	6,200	3,800	3,400	1,900	2,000	2,200	2,000
McIntosh	3,300	4,800	4,100	1,700	2,600	2,000	2,000
McKenzie	2,500	1,500	1,400	1,500	1,800	2,400	2,800
McLean	5,300	3,800	3,500	2,300	3,100	3,200	3,000
Mercer	3,300	1,900	1,700	1,100	1,600	1,300	1,500
Morton	15,400	11,100	11,400	8,400	12,000	10,800	12,000

TABLE 8.45--Continued

County	1975	1980	1981	1982	1983	1984	1985
Mountrail	1,200	1,100	1,200	900	1,200	1,000	1,200
Nelson	2,800	2,500	2,200	2,200	2,200	2,000	2,000
Oliver	7,000	4,600	4,700	4,200	5,700	5,700	6,400
Pembina	8,500	6,700	6,400	7,000	8,200	8,200	10,000
Pierce	1,300	900	800	400	600	500	600
Ramsey	1,400	1,600	1,500	2,000	1,900	2,000	2,200
Ransom	13,700	9,600	10,000	6,700	9,500	8,800	11,000
Renville	1,300	700	600	600	600	600	600
Richland	35,600	24,500	25,300	19,000	23,000	21,500	25,000
Rolette	2,100	2,000	1,800	1,000	1,200	1,100	1,300
Sargent	20,000	13,700	14,700	12,200	16,200	15,000	18,000
Sheridan	1,900	1,400	1,400	1,200	1,200	1,300	1,500
Sioux	2,000	1,500	1,600	1,200	1,500	1,100	1,300
Slope	2,000	2,900	3,400	2,600	3,500	4,300	5,000
Stark	8,700	7,800	9,200	4,100	5,600	5,600	5,800
Steele	1,300	1,200	1,500	800	800	700	900
Stutsman	8,300	6,100	5,900	5,500	7,200	6,800	8,000
Towner	2,500	2,000	2,000	1,500	1,700	1,800	2,000
Traill	7,300	5,200	5,900	4,300	4,600	4,500	4,700
Walsh	8,900	6,400	6,500	5,900	6,600	7,100	8,000
Ward	4,800	3,000	3,000	2,400	2,400	2,700	3,000
Wells	3,900	2,000	2,000	2,000	2,100	1,900	1,900
Williams	1,800	1,500	1,300	1,300	1,600	1,700	1,700
NORTH DAKOTA	350,000	265,000	280,000	210,000	260,000	255,000	285,000

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

TABLE 8.46

ALL CATTLE ON FARMS AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1975-1986

(In Thousands)

County	1975	1980	1981	1982	1983	1984	1985	1986^P
Adams	50	34	30	34	34	37	39	36
Barnes	58	36	32	37	33	34	31	31
Benson	46	30	29	31	35	34	32	32
Billings	37	31	28	31	31	33	32	31
Bottineau	33	22	21	22	22	21	19	19
Bowman	44	35	30	35	34	37	36	35
Burke	23	15	15	17	16	15	14	12
Burleigh	91	65	60	66	75	79	72	75
Cass	40	31	27	30	31	31	30	28
Cavalier	16	11	10	10	10	10	9	9
Dickey	74	68	66	66	60	60	61	60
Divide	23	16	15	15	16	15	14	13
Dunn	115	94	86	101	91	95	99	97
Eddy	29	23	21	19	21	21	21	20
Emmons	78	64	62	65	73	77	79	76
Foster	34	29	26	26	24	21	20	18
Golden Valley	36	27	28	31	29	31	32	30
Grand Forks	25	18	15	14	17	15	16	16
Grant	86	66	62	63	73	80	78	77
Griggs	30	21	20	21	23	23	23	22
Hettinger	43	28	25	29	30	31	31	30
Kidder	66	74	70	74	73	74	72	72
LaMoure	66	45	39	45	42	42	41	42
Logan	58	56	52	57	62	64	61	59
McHenry	86	66	62	61	73	76	75	74
McIntosh	61	48	47	50	53	57	60	64
McKenzie	103	78	74	80	85	85	77	75
McLean	64	47	45	47	51	53	50	47
Mercer	59	48	41	45	46	50	49	47
Morton	120	104	96	102	109	110	107	109

TABLE 8.46--Continued

County	1975	1980	1981	1982	1983	1984	1985	1986^P
Mountrail	50	36	34	39	37	37	35	35
Nelson	22	16	16	16	18	18	17	17
Oliver	42	34	35	38	36	39	40	38
Pembina	14	11	10	10	11	10	11	10
Pierce	37	28	27	27	30	29	28	27
Ramsey	15	9	8	8	9	9	9	9
Ransom	31	39	34	35	37	37	36	36
Renville	15	9	9	10	9	9	9	8
Richland	63	42	39	43	45	48	45	44
Rolette	27	23	22	22	25	25	23	23
Sargent	54	46	42	42	37	39	36	35
Sheridan	38	31	29	30	32	30	29	30
Sioux	47	33	30	36	35	38	39	38
Slope	42	30	27	31	31	33	33	31
Stark	81	59	52	59	61	67	67	62
Steele	14	7	7	8	7	7	7	6
Stutsman	98	74	70	76	75	75	75	68
Towner	11	6	7	8	8	8	8	8
Traill	12	9	9	10	8	7	7	7
Walsh	24	20	19	19	20	19	16	18
Ward	62	41	36	42	44	42	39	38
Wells	44	30	28	31	30	31	30	30
Williams	58	37	32	36	33	32	29	26
NORTH DAKOTA	2,635	2,000	1,850	2,000	2,050	2,100	2,050	2,000

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

^{P} Preliminary.

TABLE 8.47

COMMERCIAL GRAIN STORAGE CAPACITY AS OF JANUARY 1 BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1986
(Thousands of Bushels)

County	1970	1975	1980	1981	1982	1983	1984^{R}	1985	1986^{P}
Adams	1,783	1,790	1,697	1,643	1,528	1,657	1,600	1,625	1,688
Barnes	3,957	4,844	5,435	5,810	6,840	6,383	6,911	6,652	6,896
Benson	2,666	2,624	2,446	2,679	2,753	2,894	2,824	3,003	3,223
Billings	-----	-----	-----	-----	-----	-----	-----	-----	-----
Bottineau	3,689	3,469	2,990	3,431	3,313	3,571	4,568	4,530	4,664
Bowman	2,669	2,837	2,374	2,404	2,482	2,505	2,415	2,478	2,654
Burke	1,410	1,202	993	1,021	983	732	907	980	980
Burleigh	1,644	1,880	1,833	1,532	1,526	1,526	1,590	1,590	1,676
Cass	10,569	11,286	10,216	10,601	10,736	11,098	20,135	20,804	21,882
Cavalier	2,388	2,623	2,484	2,549	2,473	2,473	2,495	2,675	3,011
Dickey	2,255	2,498	2,573	2,711	2,733	2,847	3,385	3,173	3,554
Divide	1,472	1,529	1,514	1,515	1,504	1,535	1,575	1,792	1,803
Dunn	993	823	779	779	780	746	822	731	731
Eddy	864	892	855	853	905	905	928	943	943
Emmons	1,509	1,437	1,330	1,326	1,332	1,348	1,366	1,549	1,799
Foster	2,760	3,359	4,187	5,392	5,105	5,594	5,839	4,598	5,931
Golden Valley	798	793	910	910	911	890	1,071	1,138	1,190
Grand Forks	13,665	13,822	13,982	14,567	14,732	14,555	15,769	15,498	17,260
Grant	1,057	948	982	966	970	1,029	1,097	988	1,241
Griggs	1,437	1,644	1,720	2,131	2,138	2,191	2,246	2,342	2,506
Hettinger	2,232	2,146	1,760	1,885	1,817	1,927	2,024	1,992	2,148
Kidder	1,138	1,132	836	815	815	798	1,175	953	1,013
LaMoure	3,086	3,251	2,934	3,074	3,049	3,027	3,072	3,212	3,254
Logan	1,292	1,551	1,491	1,419	1,394	1,441	1,366	1,396	1,536
McHenry	2,612	2,222	2,560	2,898	2,903	2,967	6,329	6,497	3,996
McIntosh	1,287	1,022	959	1,240	1,409	1,556	1,119	1,252	1,243
McKenzie	1,439	1,463	1,493	1,505	1,368	1,390	1,423	1,534	1,541
McLean	3,452	3,389	3,706	4,392	4,055	3,948	4,166	4,387	4,753
Mercer	1,756	1,279	1,281	1,230	1,232	1,119	1,310	1,237	1,224
Morton	2,577	2,399	2,073	2,024	2,015	1,952	1,927	1,938	1,701

TABLE 8.47--Continued

County	1970	1975	1980	1981	1982	1983	1984^{R}	1985	1986^{P}
Mountrail	2,995	2,849	2,747	2,712	2,765	2,686	2,756	2,821	2,855
Nelson	2,934	3,120	3,185	3,437	3,507	4,239	3,898	4,187	4,791
Oliver	-----	-----	-----	-----	-----	-----	-----	-----	-----
Pembina	3,063	3,208	2,982	2,918	3,843	3,236	3,517	3,597	4,675
Pierce	935	1,097	897	992	974	895	1,210	1,233	1,185
Ramsey	4,004	4,231	4,067	4,103	4,066	3,964	4,335	4,643	4,925
Ransom	1,100	1,349	1,101	1,070	1,055	1,465	4,349	4,330	4,238
Renville	1,544	1,661	1,542	1,380	1,390	1,432	1,665	1,626	1,664
Richland	3,459	4,103	5,594	5,361	5,389	5,448	5,870	6,109	6,488
Rolette	1,037	1,023	775	834	898	798	750	887	553
Sargent	1,839	2,152	1,973	2,183	2,244	2,250	3,299	3,585	4,171
Sheridan	943	998	910	860	870	875	930	1,158	999
Sioux	170	160	170	172	180	200	219	220	136
Slope	-----	-----	-----	-----	-----	-----	-----	-----	-----
Stark	3,206	3,074	3,271	3,383	3,285	3,522	3,317	3,487	3,340
Steele	1,763	1,727	1,556	1,853	1,677	1,743	1,755	2,097	2,305
Stutsman	9,139	10,618	14,165	15,435	15,856	15,043	15,299	16,206	17,746
Towner	2,305	2,275	2,385	2,332	2,270	2,305	2,378	2,414	2,567
Traill	4,144	4,776	4,347	4,243	4,264	4,040	5,350	5,854	6,258
Walsh	3,741	4,026	4,485	5,014	4,967	4,887	5,921	5,954	6,527
Ward	5,743	5,675	6,026	6,739	6,650	7,585	7,324	7,333	7,516
Wells	3,068	2,983	2,693	3,194	3,255	3,629	3,961	3,638	4,487
Williams	3,371	3,291	3,056	3,293	3,234	3,139	3,243	3,092	3,733
NORTH DAKOTA	139,000	144,550	146,240	154,810	155,112	158,835	182,600^{S}	186,150	197,200

SOURCE: North Dakota Crop and Livestock Reporting Service, North Dakota Agricultural Statistics, various years.

[P] Preliminary.

[R] Revised.

[S] Includes sunflower facilities.

TABLE 8.48

NORTH DAKOTA SHIPMENTS FROM COMMERCIAL STORAGE BY COUNTY AND MODE OF SHIPMENT, 1984-1985* (Thousands of Bushels)

District & County	Hard Spring Wheat			Durum Wheat		
	Rail	Truck	Total	Rail	Truck	Total
Burke	1,180,951	68,322	1,249,273	570,741	434,248	1,004,989
Divide	91,403	240,256	331,659	2,186,979	144,742	2,331,721
Mountrail	244,241	170,886	415,127	3,359,967	913,123	4,273,090
Renville	708,566	117,298	825,864	807,510	44,272	851,782
Ward	6,561,778	847,478	7,409,256	7,702,704	957,285	8,659,989
Williams	2,443,890	1,222,459	3,666,349	1,387,484	932,122	2,319,606
Northwest	11,230,829	2,666,699	13,897,528	16,015,385	3,425,792	19,441,177
Benson	728,937	72,276	801,213	3,444,351	141,189	3,585,540
Bottineau	2,368,678	489,744	2,858,422	6,556,315	193,626	6,749,941
McHenry	929,778	921,014	1,850,792	51,403	120,377	171,780
Pierce	577,569	718,430	1,295,999	1,510,552	125,128	1,635,680
Rolette	89,496	139,133	228,629	1,606,036	330,190	1,936,226
North Central	4,694,458	2,340,597	7,035,055	13,168,657	910,510	14,079,167
Cavalier	4,022,986	994,347	5,017,333	3,844,220	579,377	4,423,597
Grand Forks	7,811,206	2,953,783	10,764,989	604,333	281,242	885,575
Nelson	2,500,598	762,287	3,262,885	2,639,607	608,764	3,248,371
Pembina	9,021,331	2,248,281	11,269,612	201,514	116,224	317,738
Ramsey	2,398,796	394,032	2,792,828	5,699,091	195,885	5,894,976
Towner	185,725	570,712	756,437	3,466,027	563,329	4,029,356
Walsh	10,004,795	1,248,578	11,253,373	1,001,705	70,293	1,071,998
Northeast	35,945,437	9,172,020	45,117,457	17,456,497	2,415,114	19,871,611
Dunn	9,937	356,619	366,556	-----	4,408	4,408
McKenzie	-----	571,540	571,540	-----	281,106	281,106
McLean	1,624,265	2,003,415	3,627,680	2,913,780	1,066,616	3,980,396
Mercer	702,875	654,147	1,357,002	76,028	81,039	157,067
Oliver	-----	-----	-----	-----	-----	-----
West Central	2,337,077	3,585,721	5,922,798	2,989,808	1,433,169	4,422,977
Eddy	568,703	231,521	800,224	425,474	34,785	460,259
Foster	1,848,640	657,416	2,506,056	1,772,046	240,296	2,012,342
Kidder	666,321	286,560	952,881	318,325	94,696	413,021
Sheridan	781,268	450,947	1,232,215	93,453	24,456	117,909
Stutsman	5,632,686	1,837,029	7,469,715	3,397,402	279,696	3,677,098
Wells	3,950,261	385,590	4,335,851	2,182,100	229,718	2,411,818
Central	13,447,079	3,849,063	17,296,942	8,188,800	903,647	9,092,447

TABLE 8.48--Continued

District & County	Hard Spring Wheat			Durum Wheat		
	Rail	Truck	Total	Rail	Truck	Total
Barnes	8,383,241	1,784,304	10,167,545	1,661,561	201,810	1,863,371
Cass	6,503,448	6,385,662	12,889,110	1,027,581	707,663	1,735,244
Griggs	1,889,296	803,159	2,692,455	189,277	69,919	259,196
Steele	3,648,386	793,835	4,442,221	585,172	37,033	622,205
Traill	2,949,542	3,457,558	6,407,100	301,998	333,470	635,468
East Central	23,373,913	13,224,518	36,598,431	3,765,589	1,349,895	5,115,484
Adams	918,496	745,943	1,664,439	150,458	93,085	243,543
Billings	-----	-----	-----	-----	-----	-----
Bowman	1,535,395	1,496,523	3,031,918	908,072	360,630	1,268,702
Golden Valley	36,108	1,121,440	1,157,548	72,933	478,450	551,383
Hettinger	60,580	2,882,790	2,943,370	48,604	275,908	324,512
Slope	-----	-----	-----	-----	-----	-----
Stark	8,709,722	583,744	9,293,466	909,951	43,104	953,055
Southwest	11,260,301	6,830,440	18,090,741	2,090,018	1,251,177	3,341,195
Burleigh	1,012,938	1,598,096	2,611,034	81,235	312,816	394,051
Emmons	2,524,256	618,348	3,142,604	114,899	31,210	146,109
Grant	-----	1,070,407	1,070,407	-----	37,245	37,245
Morton	948,992	2,884,216	3,833,208	12,141	114,034	126,175
Sioux	41,248	238,735	279,983	65,924	25,850	91,774
South Central	4,527,434	6,409,802	10,937,236	274,199	521,155	795,354
Dickey	3,295,988	475,789	3,771,777	855,857	6,385	862,242
LaMoure	4,547,858	447,991	4,995,849	1,094,302	73,912	1,168,214
Logan	2,567,348	745,742	3,313,090	758,956	96,382	855,338
McIntosh	2,750,687	263,357	3,014,044	312,629	26,925	339,554
Ransom	2,410,585	164,895	2,575,480	136,212	3,203	139,415
Richland	2,727,723	2,577,841	5,305,564	112,618	242,305	354,923
Sargent	4,931,088	306,251	5,237,339	767,314	23,796	791,110
Southeast	23,231,277	4,981,866	28,213,143	4,037,888	472,908	4,510,796
STATE	130,048,605	53,060,726	183,109,331	67,986,841	12,683,367	80,670,208

TABLE 8.48--Continued

District & County	Barley			Oats		
	Rail	Truck	Total	Rail	Truck	Total
Burke	539,613	25,892	565,505	10,808	117,613	128,421
Divide	408,672	114,387	523,059	29,559	45,597	75,156
Mountrail	871,854	156,854	1,028,708	171,808	28,323	200,131
Renville	1,216,597	58,065	1,274,662	122,717	98,804	221,521
Ward	4,075,782	305,177	4,380,959	897,292	1,147,383	2,044,675
Williams	1,011,022	461,464	1,472,486	2,870	107,046	109,916
Northwest	8,123,540	1,121,839	9,245,379	1,235,054	1,544,766	2,779,820
Benson	1,500,358	166,657	1,667,015	20,666	10,399	31,065
Bottineau	6,109,245	271,030	6,380,275	410,018	199,484	609,502
McHenry	178,352	37,304	215,656	12,000	60,893	72,893
Pierce	1,019,558	48,145	1,067,703	89,929	19,369	109,298
Rolette	915,635	173,769	1,089,404	-----	4,948	4,948
North Central	9,723,148	696,905	10,420,053	532,613	295,093	827,706
Cavalier	4,159,070	1,711,398	5,870,468	14,282	29,721	44,003
Grand Forks	6,965,171	1,132,227	8,097,398	40,389	35,385	75,774
Nelson	2,407,976	334,911	2,742,887	32,604	24,824	57,428
Pembina	2,803,329	1,720,916	4,524,245	-----	6,322	6,322
Ramsey	3,342,568	412,349	3,754,917	24,947	4,980	29,927
Towner	2,024,905	219,650	2,244,555	8,160	10,545	18,705
Walsh	4,089,185	678,290	4,767,475	59,270	36,234	95,504
Northeast	25,792,204	6,209,741	32,001,945	179,652	148,011	327,663
Dunn	-----	39,584	39,584	-----	34,745	34,745
McKenzie	-----	32,160	32,160	-----	-----	-----
McLean	391,823	152,388	544,211	419,883	359,521	779,404
Mercer	18,000	57,636	75,636	70,435	200,404	270,839
Oliver	-----	-----	-----	-----	-----	-----
West Central	409,823	281,768	691,591	490,318	594,670	1,084,988
Eddy	170,262	26,928	197,190	40,215	28,843	69,058
Foster	265,780	58,370	324,150	43,778	118,620	162,398
Kidder	2,229	17,540	19,769	52,037	1,604	53,641
Sheridan	55,906	158,950	214,856	23,345	61,940	85,285
Stutsman	4,718,149	1,555,124	6,273,273	354,496	104,669	459,165
Wells	1,167,830	389,558	1,557,388	53,459	72,999	126,458
Central	6,380,156	2,206,470	8,586,626	567,330	388,675	956,005

TABLE 8.48--Continued

District & County	Barley Rail	Barley Truck	Barley Total	Oats Rail	Oats Truck	Oats Total
Barnes	3,793,549	1,512,068	5,305,617	153,364	44,860	198,224
Cass	10,225,538	1,355,989	11,581,527	94,942	15,475	110,417
Griggs	1,287,671	246,040	1,533,711	12,920	38,980	51,900
Steele	3,549,816	487,566	4,037,382	25,538	437,568	463,106
Traill	6,202,215	1,243,177	7,445,392	-----	-----	-----
East Central	25,058,789	4,844,840	29,903,629	286,764	536,883	823,647
Adams	-----	80,888	80,888	107,087	73,742	180,829
Billings	-----	-----	-----	-----	-----	-----
Bowman	30,089	622,755	652,853	13,387	39,497	52,884
Golden Valley	-----	68,930	68,930	-----	16,500	16,500
Hettinger	12,952	315,683	328,635	44,721	84,626	129,347
Slope	-----	-----	-----	-----	-----	-----
Stark	192,763	61,497	254,260	161,253	282,075	443,328
Southwest	235,813	1,149,753	1,385,566	326,448	496,440	822,888
Burleigh	54,058	107,736	161,794	148,346	229,640	377,986
Emmons	261,743	17,540	279,283	355,709	63,007	418,716
Grant	-----	234,739	234,739	-----	183,656	183,656
Morton	28,292	188,993	217,285	19,406	86,319	105,725
Sioux	93,486	19,550	113,036	4,062	10,876	14,938
South Central	437,579	568,558	1,006,137	527,523	573,498	1,101,021
Dickey	1,955,147	27,663	1,982,810	259,693	157,875	417,568
LaMoure	1,309,065	132,646	1,441,711	379,986	69,869	449,855
Logan	350,387	53,941	404,328	80,703	61,986	142,689
McIntosh	176,105	20,328	196,433	396,998	51,646	448,644
Ransom	860,862	27,296	888,158	221,345	19,418	240,763
Richland	5,972,412	709,193	6,681,605	227,983	220,077	448,060
Sargent	1,116,252	77,767	1,194,019	341,637	19,696	361,333
Southeast	11,740,230	1,048,834	12,789,064	1,908,345	600,567	2,508,912
STATE	87,901,282	18,128,708	106,029,990	6,054,047	5,178,603	11,232,650

TABLE 8.48--Continued

District & County	Sunflowers (In Hundredweight)			Flaxseed		
	Rail	Truck	Total	Rail	Truck	Total
Burke	69,180	7,534	76,714	-----	-----	-----
Divide	11,348	13,491	24,839	-----	907	907
Mountrail	324,675	119,240	443,915	-----	989	989
Renville	47,294	11,942	59,236	6,000	12,554	18,554
Ward	1,760,450	275,869	2,036,319	59,455	136,459	195,914
Williams	10,500	149,138	159,638	-----	207	207
Northwest	2,223,447	577,214	2,800,611	65,455	151,116	216,571
Benson	595,597	118,428	714,025	55,331	49,397	104,728
Bottineau	796,715	67,467	864,182	9,791	116,868	126,659
McHenry	202,833	41,237	244,070	-----	53,364	53,364
Pierce	151,068	40,391	191,459	-----	99,022	99,022
Rolette	69,361	89,963	159,324	3,220	56,207	59,427
North Central	1,815,574	357,486	2,173,060	68,342	374,858	443,200
Cavalier	246,561	126,947	373,508	50,565	226,595	277,160
Grand Forks	347,823	478,929	826,752	6,556	19,744	26,300
Nelson	500,599	209,024	709,623	34,262	56,474	90,736
Pembina	127,499	67,560	195,059	919	61,966	62,885
Ramsey	592,003	140,730	732,733	98,512	180,154	278,666
Towner	171,224	57,565	228,789	2,990	215,863	218,853
Walsh	407,773	180,672	588,445	102,114	40,269	142,383
Northeast	2,393,482	1,261,427	3,654,909	295,918	801,065	1,096,983
Dunn	7,065	8,065	15,130	-----	-----	-----
McKenzie	-----	-----	-----	-----	-----	-----
McLean	651,302	284,350	935,652	68,136	175,855	243,991
Mercer	57,874	27,547	85,421	-----	21,868	21,868
Oliver	-----	-----	-----	-----	-----	-----
West Central	716,241	319,962	1,036,203	68,136	197,723	265,859
Eddy	77,826	163,538	241,364	7,929	17,954	25,883
Foster	542,452	345,377	887,829	10,353	47,440	57,793
Kidder	6,000	53,899	59,899	5,755	35,262	41,017
Sheridan	155,500	112,137	267,637	11,447	83,219	94,666
Stutsman	1,258,817	485,768	1,744,585	37,991	142,508	180,499
Wells	541,235	166,939	708,174	73,388	67,685	141,073
Central	2,581,830	1,327,658	3,909,488	146,863	394,068	540,931

TABLE 8.48--Continued

District & County	Sunflowers (In Hundredweight) Rail	Sunflowers (In Hundredweight) Truck	Sunflowers (In Hundredweight) Total	Flaxseed Rail	Flaxseed Truck	Flaxseed Total
Barnes	410,195	392,061	802,256	19,859	92,819	112,678
Cass	517,635	1,099,026	1,616,661	-----	58,989	58,989
Griggs	82,014	413,421	495,435	-----	29,705	29,705
Steele	206,898	248,929	455,827	-----	43,860	43,860
Traill	156,690	97,108	253,798	-----	4,047	4,047
East Central	1,373,432	2,250,545	3,623,577	19,859	229,420	249,279
Adams	75,034	16,926	91,960	-----	135,416	135,416
Billings	-----	-----	-----	-----	-----	-----
Bowman	70,071	23,316	93,387	19,786	8,687	28,473
Golden Valley	-----	16,792	16,792	-----	21,528	21,528
Hettinger	6,354	395,924	402,278	-----	6,499	6,499
Slope	-----	-----	-----	-----	-----	-----
Stark	281,773	114,124	395,897	-----	11,893	11,893
Southwest	433,232	567,082	1,000,314	19,786	184,023	203,809
Burleigh	131,569	82,125	213,694	12,071	78,441	90,512
Emmons	84,382	53,254	137,636	52,372	89,518	141,890
Grant	3,180	165,021	168,201	-----	2,820	2,820
Morton	38,972	69,153	108,125	-----	29,023	29,023
Sioux	1,050	8,772	9,822	808	-----	808
South Central	259,153	378,325	637,478	65,251	199,802	265,053
Dickey	482,301	223,844	706,145	19,842	47,604	67,446
LaMoure	493,956	324,660	818,616	-----	200,448	200,448
Logan	212,783	128,094	340,877	98,457	95,377	193,834
McIntosh	127,700	34,099	161,799	24,995	179,835	204,830
Ransom	25,044	40,466	65,510	-----	13,094	13,094
Richland	198,432	135,845	334,277	98,000	9,118	107,118
Sargent	276,456	135,528	411,984	4,614	24,975	29,589
Southeast	1,816,672	1,022,536	2,839,208	245,908	570,451	816,359
STATE	13,613,063	8,062,235	21,675,298	995,518	3,102,526	4,098,044

TABLE 8.48--Continued

District & County	Corn		
	Rail	Truck	Total
Burke	-----	-----	-----
Divide	-----	-----	-----
Mountrail	-----	-----	-----
Renville	-----	-----	-----
Ward	-----	-----	-----
Williams	-----	-----	-----
Northwest	-----	-----	-----
Benson	-----	10,156	10,156
Bottineau	-----	-----	-----
McHenry	-----	-----	-----
Pierce	-----	10,246	10,246
Rolette	-----	-----	-----
North Central	-----	20,402	20,402
Cavalier	-----	15,074	15,074
Grand Forks	132,312	412,717	545,029
Nelson	3,304	112,257	115,561
Pembina	5,487	4,722	10,209
Ramsey	-----	850	850
Towner	-----	-----	-----
Walsh	177,950	243,947	421,897
Northeast	319,053	789,567	1,108,620
Dunn	-----	-----	-----
McKenzie	-----	-----	-----
McLean	16,964	31,686	48,650
Mercer	-----	-----	-----
Oliver	-----	-----	-----
West Central	16,964	31,686	48,650
Eddy	-----	8,002	8,002
Foster	181,685	33,885	215,570
Kidder	-----	-----	-----
Sheridan	-----	-----	-----
Stutsman	55,007	75,622	130,629
Wells	229,336	16,179	245,515
Central	466,028	133,688	599,716

TABLE 8.48--Continued

District & County	Corn Rail	 Truck	 Total
Barnes	24,358	158,540	182,898
Cass	4,387,439	673,698	5,061,137
Griggs	-----	134,116	134,116
Steele	28,000	12,332	40,332
Traill	1,171,687	209,988	1,381,675
East Central	5,611,484	1,118,674	6,800,158
Adams	-----	-----	-----
Billings	-----	-----	-----
Bowman	-----	11,218	11,218
Golden Valley	-----	-----	-----
Hettinger	-----	484,929	484,929
Slope	-----	-----	-----
Stark	-----	-----	-----
Southwest	-----	496,147	496,147
Burleigh	-----	7,273	7,273
Emmons	40,700	4,463	45,163
Grant	-----	79,320	79,320
Morton	171,842	-----	171,842
Sioux	-----	-----	-----
South Central	212,542	91,056	303,598
Dickey	1,310,988	33,877	1,344,865
LaMoure	122,041	28,713	150,754
Logan	-----	3,831	3,831
McIntosh	47,015	-----	47,015
Ransom	951,913	99,354	1,051,267
Richland	6,195,369	1,187,119	7,382,488
Sargent	3,161,964	103,645	3,265,609
Southeast	11,789,290	1,456,539	13,245,829
STATE	18,415,361	4,207,759	22,623,120

SOURCE: Summarized by Upper Great Plains Transportation Institute from Public Service Commission records.

* Totals may not add due to rounding.

TABLE 8.49

FARMER COOPERATIVES: NUMBER, MEMBERSHIPS AND BUSINESS VOLUME, NORTH DAKOTA AND THE UNITED STATES, SELECTED YEARS, 1955-1983*

	North Dakota				United States		
	Number of Cooperatives						
Year	Headquartered in State	Doing Business in State	Memberships	Net Business Volume** (Thousand $)	Cooperatives	Memberships (Thousands)	Net Business Volume** (Millions $)
1955	533	552	255,660	$ 239,191	9,876	7,731	$ 9,769
1960	507	527	251,070	323,062	9,163	7,203	12,409
1965	508	530	257,060	364,222	8,329	6,826	15,608
1970	495	514	229,645	418,466	7,995	6,158	20,556
1975	664	556	201,387	1,216,593	7,535	5,906	40,050
1980	---	---	-----	-----	-----	-----	-----
1981	422	NA	180,145	1,938,020	NA	5,335	71,534
1982	---	---	-----	-----	-----	-----	-----
1983	396	408	163,221	1,878,765	5,989	4,954	65,906

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years.

* Data are for calendar year shown or for the period of July 1 of year shown through June 30 of following year.

** Value at first level at which co-ops transact business for farmers. Adjusted for duplications resulting from intercooperative sales.

TABLE 8.50

INDEXES OF PRICES RECEIVED AND PAID BY FARMERS, SELECTED YEARS, 1970-1985
(1977 = 100)

Item	1970	1975	1980	1981	1982	1983	1984	1985[5]
Prices Received, all Prod.	60	101	134	139	133	135	142	128
Crops	52	105	125	134	121	128	139	120
Livestock & Prod.	67	98	144	143	145	141	146	136
Prices Paid, Total[1]	54	89	139	151	155	159	161	157
Commodities[2]	55	89	138	151	157	161	164	163
Production	54	91	138	148	150	153	155	151
Interest Payable/Acre	39	77	174	211	241	250	255	242
Taxes Payable/Acre	68	87	115	123	124	129	132	133
Wages[3]	57	85	126	137	144	148	151	154
Parity Ratio[4]	98	113	97	92	85	84	86	79

SOURCE: U.S. Dept. of Agriculture, Statistical Reporting Service, Agricultural Statistics, various years.

[1] Includes interest, taxes, and wage rates.

[2] Includes interest, taxes, wage rates, and family living component.

[3] Simple average of seasonally adjusted quarterly indexes.

[4] Ratio of prices received to prices paid using the base year 1977.

[5] Preliminary.

TABLE 8.51

HARD RED SPRING WHEAT AND DURUM WHEAT SHIPMENTS FROM COMMERCIAL STORAGE BY COUNTY AND DESTINATION, NORTH DAKOTA, JULY 1, 1984-JULY 1,1985[1,2] (Thousands of Bushels)

District & County	Hard Red Spring Wheat				Durum Wheat			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]
Burke	129,326	21,965	1,062,762	35,220	590,473	306,786	27,859	79,871
Divide	-----	-----	111,299	220,360	272,114	676,823	949,458	433,326
Mountrail	109,846	99,924	97,381	107,976	2,536,078	1,169,907	1,960	565,145
Renville	263,442	290,079	204,919	67,424	373,000	273,654	-----	205,128
Ward	1,263,658	1,324,052	4,238,424	581,122	4,819,108	2,005,538	-----	1,835,343
Williams	95,519	281,688	2,168,176	1,120,966	390,957	979,878	163,242	785,529
Northwest	1,861,791	2,019,708	7,882,961	2,133,068	8,981,730	5,412,586	1,142,519	3,904,342
Benson	202,422	446,739	-----	152,052	2,019,549	1,000,701	-----	565,290
Bottineau	480,439	1,043,955	505,537	828,491	5,047,442	771,082	-----	931,417
McHenry	193,226	783,769	528,015	345,782	81,682	51,521	-----	38,577
Pierce	332,320	734,471	810	228,398	913,524	632,509	-----	89,647
Rolette	137,547	76,991	3,296	10,795	1,595,442	110,256	-----	230,528
North Central	1,345,954	3,085,925	1,037,658	1,565,518	9,657,639	2,566,069	-----	1,855,459
Cavalier	3,268,945	552,575	679,665	516,148	3,480,599	226,998	-----	716,000
Grand Forks	5,904,886	1,825,963	1,359,978	1,674,162	661,062	110,394	-----	114,119
Nelson	1,927,350	809,784	256,764	268,987	2,337,619	570,878	86,543	253,331
Pembina	5,356,727	573,018	2,145,425	3,194,442	304,310	3,000	-----	10,428
Ramsey	1,153,791	672,375	429,616	537,046	3,897,597	670,556	-----	1,326,823
Towner	201,779	448,279	31,788	74,591	3,288,278	361,405	-----	379,673
Walsh	6,932,675	2,418,290	257,283	1,645,125	900,007	99,143	3,854	68,994
Northeast	24,746,153	7,300,284	5,160,519	7,910,501	14,869,472	2,042,374	90,397	2,869,368
Dunn	7,718	84,919	142,471	131,448	-----	-----	-----	4,408
McKenzie	6,499	128,141	132,256	304,644	26,121	159,010	-----	95,975
McLean	1,241,755	1,051,882	266,491	1,067,552	2,873,295	758,640	762	347,699
Mercer	64,168	713,335	267,568	311,951	50,260	95,871	-----	10,936
Oliver	-----	-----	-----	-----	-----	-----	-----	-----
West Central	1,320,140	1,978,277	808,786	1,815,595	2,949,676	1,013,521	762	459,018
Eddy	188,439	421,625	-----	190,160	146,130	135,108	-----	179,021
Foster	856,398	1,161,145	163,334	325,179	951,339	417,158	-----	643,845
Kidder	300,145	516,347	-----	136,389	188,017	161,494	-----	63,510
Sheridan	344,788	756,035	-----	131,392	61,231	49,988	-----	6,690
Stutsman	3,096,427	2,846,095	259,204	1,267,989	2,419,806	1,059,970	-----	197,322
Wells	1,637,843	1,475,946	1,086,165	135,897	1,975,407	381,449	-----	54,962
Central	6,424,040	7,177,193	1,508,703	2,187,006	5,741,930	2,205,167	-----	1,145,350

TABLE 8.51--Continued

District & County	Hard Red Spring Wheat				Durum Wheat			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]
Barnes	4,769,475	3,275,741	-----	2,122,329	1,491,793	244,033	-----	127,545
Cass	4,002,478	7,045,582	-----	1,841,050	1,067,334	519,816	-----	148,094
Griggs	816,763	1,518,669	-----	357,023	100,415	150,633	-----	8,148
Steele	2,294,427	1,324,787	171,082	651,925	453,153	51,728	-----	117,324
Traill	2,779,707	2,746,054	431,149	450,190	342,167	54,447	-----	238,854
East Central	14,662,850	15,910,833	602,231	5,422,517	3,454,862	1,020,657	-----	639,965
Adams	-----	428,913	819,146	416,380	11,695	164,135	-----	67,713
Billings	-----	-----	-----	-----	-----	-----	-----	-----
Bowman	33,207	500,261	1,697,262	801,188	757	810,198	142,872	314,875
Colden Valley	824	164,431	385,015	607,278	13,034	386,120	-----	152,229
Hettinger	31,407	848,837	1,624,670	438,456	27,117	249,696	4,000	43,699
Slope	-----	-----	-----	-----	-----	-----	-----	-----
Stark	777,999	1,948,894	5,726,132	840,441	703,534	229,902	-----	19,619
Southwest	843,437	3,891,336	10,252,225	3,103,743	756,137	1,840,051	146,872	598,135
Burleigh	249,748	2,167,463	14,129	179,694	111,531	79,846	-----	202,674
Emmons	325,986	1,967,800	2,697	846,121	69,355	60,672	-----	16,082
Grant	13,220	436,522	392,616	228,049	-----	37,245	-----	-----
Morton	406,411	2,341,995	762,106	322,696	19,976	61,768	39,789	4,642
Sioux	850	25,751	26,973	226,409	25,862	19,427	-----	46,485
South Central	996,215	6,939,531	1,198,521	1,802,969	226,724	258,958	39,789	269,883
Dickey	268,502	2,479,714	-----	1,023,561	209,658	225,413	-----	427,171
LaMoure	1,086,636	2,492,491	-----	1,416,722	625,697	325,426	-----	217,091
Logan	228,276	2,397,505	-----	687,309	277,158	481,111	-----	97,069
McIntosh	47,808	2,285,861	-----	680,375	87,135	242,436	-----	9,983
Ransom	1,373,042	801,359	-----	401,079	68,792	70,623	-----	-----
Richland	355,017	4,393,623	-----	556,924	89,372	98,083	-----	167,468
Sargent	442,618	3,642,426	-----	1,152,295	141,415	549,138	-----	100,057
Southeast	3,801,899	18,492,979	-----	5,918,265	1,499,227	1,992,230	-----	1,019,339
STATE	56,002,479	66,796,066	28,451,604	31,859,182	48,137,397	18,351,613	1,420,339	12,760,859

SOURCE: Summarized by Upper Creat Plains Transportation Institute from Public Commission Records.

[1] Does not include CCC shipments.
[2] Totals may not add due to rounding.
[3] Includes all other destinations.

TABLE 8.52

BARLEY AND OATS: SHIPMENTS FROM COMMERCIAL STORAGES BY COUNTY AND DESTINATION, NORTH DAKOTA, JULY 1, 1984-JULY 1, 1985[1,2] (Thousands of Bushels)

District & County	Barley				Oats			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]
Burke	98,141	3,258	417,242	46,864	1,562	4,764	34,726	87,369
Divide	-----	-----	50,973	472,086	3,300	40,018	21,589	10,249
Mountrail	467,622	21,325	286,024	253,737	-----	146,404	9,061	44,666
Renville	-----	22,050	658,227	594,385	-----	86,060	2,857	132,604
Ward	122,790	388,167	2,493,906	1,376,096	2,897	1,084,961	75,977	880,840
Williams	9,528	33,449	884,953	544,556	-----	12,910	11,166	85,840
Northwest	698,081	468,249	4,791,325	3,287,724	7,759	1,375,117	155,376	1,241,568
Benson	997,525	443,765	11,320	214,405	4,070	22,740	-----	4,255
Bottineau	375,089	126,524	2,502,237	3,376,425	47,798	238,351	6,896	316,457
McHenry	3,264	7,460	7,270	197,662	-----	71,522	1,371	-----
Pierce	51,003	110,711	96,000	809,989	8,000	99,698	-----	1,600
Rolette	381,130	137,324	206,054	364,896	-----	4,948	-----	-----
North Central	1,808,011	825,784	2,822,881	4,963,377	59,868	437,259	8,367	322,312
Cavalier	2,677,606	1,211,051	-----	1,981,811	1,440	10,827		31,736
Grand Forks	1,891,375	3,025,534	-----	3,180,489	-----	55,224	2,279	18,271
Nelson	1,479,189	978,190	-----	285,508	7,800	45,607	-----	4,021
Pembina	2,847,380	431,526	190,041	1,055,298	-----	6,322	-----	-----
Ramsey	1,115,661	1,726,139	187,648	725,469	9,419	17,021	-----	3,487
Towner	579,895	317,309	1,904	1,345,447	-----	12,807	-----	5,898
Walsh	2,290,576	1,861,817	12,277	602,805	12,998	74,637	-----	7,869
Northeast	12,881,682	9,551,566	391,870	9,176,827	31,657	222,445	2,279	71,282
Dunn	-----	-----	6,735	32,849	-----	6,436	7,405	20,904
McKenzie	-----	-----	934	31,226	-----	-----	-----	-----
McLean	109,349	31,108	103,051	300,703	-----	358,577	55,180	365,647
Mercer	12,567	-----	47,509	15,560	-----	118,976	60,041	91,822
Oliver	-----	-----	-----	-----	-----	-----	-----	-----
West Central	121,916	31,108	158,229	380,338	-----	483,989	122,626	478,373
Eddy	109,279	62,942	-----	24,969	-----	64,708	-----	4,350
Foster	149,500	139,200	21,205	14,157	13,800	20,034	-----	127,764
Kidder	14,483	-----	-----	5,286	-----	53,641	-----	-----
Sheridan	21,696	39,969	17,388	135,803	10,118	52,806	-----	22,361
Stutsman	1,930,647	370,079	389,746	3,582,801	1,491	280,333	6,661	162,680
Wells	485,360	190,530	159,834	721,656	-----	111,163	1,457	13,838
Central	2,710,973	802,808	588,173	4,484,672	25,409	591,485	8,118	330,993

9.00

ENERGY AND RELATED MINERAL ACTIVITIES

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TABLE 9.01

NORTH DAKOTA LIGNITE PRODUCTION, SELECTED FISCAL YEARS, 1884-1987

Fiscal Year	Tons Produced	Fiscal Year	Tons Produced
1884*	35,000	1947	2,817,768
1890	30,000	1948	2,954,363
1895	38,997	1949	2,970,300
1900	129,803	1950	3,212,534
1905	317,542	1951	3,280,847
1910	416,580	1952	3,160,676
1911	502,628	1953	2,911,552
1912	499,480	1954	2,806,474
1913	495,320	1955	2,979,725
1914	506,685	1956	3,042,517
1915	528,078	1957	2,809,213
1916	634,912	1958	2,325,545
1917	790,548	1959	2,430,162
1918	813,000	1960	2,522,691
1919	783,694	1961	2,557,498
1920	878,969	1962	2,850,607
1921	895,715	1963	2,520,619
1922	1,057,823	1964	2,520,743
1923	1,435,605	1965	2,758,112
1924	1,029,449	1966	3,067,119
1925	1,357,408	1967	3,945,428
1926	1,385,362	1968	4,413,458
1927	1,529,154	1969	4,390,276
1928	1,783,624	1970	5,001,828
1929	1,902,593	1971	5,821,076
1930	1,849,144	1972	6,343,769
1931	1,552,242	1973	6,798,607
1932	1,743,353	1974	7,183,364
1933	1,872,381	1975	7,111,427
1934	1,746,226	1976	10,710,234
1935	1,828,213	1977	12,071,139
1936**	1,704,983	1978	12,928,033
1937	2,184,927	1979	14,279,722
1938	2,142,061	1980	16,828,903
1939	2,176,841	1981	17,449,232
1940	2,165,181	1982	17,264,917
1941	2,347,258	1983	17,754,608
1942	2,474,006	1984	19,833,599
1943	2,694,600	1985	25,461,120
1944	2,515,823	1986	25,225,122
1945	2,485,469	1987***	19,526,826
1946	2,610,544		

SOURCE: North Dakota State Coal Mine Inspector, Biennial Report and Annual Report, various years, and North Dakota Public Service Commission, Reclamation and Siting Division.

* 1884 represents the first year that lignite production is recorded. It is almost certain that small amounts were mined for domestic uses prior to 1884.

** Data are for the period 11/1/35 to 6/30/36.

*** Until 3/31/87.

TABLE 8.52--Continued

District & County	Barley				Oats			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]	Duluth/ Superior	Mpls./ St. Paul	West	Misc.3
Barnes	2,211,432	815,804	36,406	2,241,975	15,255	133,357	-----	49,612
Cass	1,502,631	2,657,562	278,560	7,142,774	-----	59,706	-----	50,711
Griggs	574,886	336,749	-----	622,076	-----	38,447	-----	13,453
Steele	1,753,326	485,573	-----	1,798,483	-----	98,441	-----	364,665
Traill	766,547	1,982,847	1,036	4,694,962	-----	-----	-----	-----
East Central	6,808,822	6,278,535	316,002	16,500,270	15,228	329,951	-----	478,441
Adams	-----	-----	12,992	67,896	-----	105,889	15,268	59,672
Billings	-----	-----	-----	-----	-----	-----	-----	-----
Bowman	-----	11,124	2,000	639,729	-----	16,732	4,900	31,252
Colden Valley	-----	-----	-----	68,930	-----	-----	-----	16,500
Hettinger	-----	14,646	146,764	167,225	-----	62,345	8,792	58,210
Slope	-----	-----	-----	-----	-----	-----	-----	-----
Stark	-----	1,951	133,046	119,263	-----	304,175	59,785	79,368
Southwest	-----	27,721	294,802	1,063,043	-----	489,141	88,745	245,002
Burleigh	32,657	35,961	3,113	90,063	-----	256,575	-----	121,411
Emmons	160,061	96,496	1,041	21,685	-----	352,113	3,244	63,359
Grant	-----	1,030	67,290	166,419	-----	47,301	19,867	116,488
Morton	-----	4,040	38,418	174,827	-----	65,011	23,415	17,299
Sioux	49,583	-----	-----	63,453	-----	-----	-----	14,938
South Central	242,301	137,527	109,862	516,447	-----	721,000	46,526	333,495
Dickey	320,544	1,215,141	-----	447,125	-----	293,148	-----	124,420
LaMoure	292,906	468,590	-----	680,215	-----	375,875	-----	73,980
Logan	222,122	87,069	-----	95,137	-----	126,771	-----	15,918
McIntosh	69,661	81,382	-----	45,390	-----	422,543	-----	26,101
Ransom	235,730	583,847	-----	68,581	-----	136,155	-----	104,608
Richland	134,810	1,368,056	-----	5,178,739	26,150	193,174	4,960	223,776
Sargent	117,638	900,034	-----	176,347	-----	268,728	-----	92,605
Southeast	1,393,411	4,704,119	-----	6,691,534	26,150	1,816,394	4,960	661,408
STATE	26,665,197	22,827,417	9,473,144	47,064,232	166,098	6,466,781	436,897	4,162,874

SOURCE: Summarizes by Upper Great Plains Transportation Institute from Public Service Commission Records.

[1] Does not include CCC shipments.
[2] Total may not add due to rounding.
[3] Includes all other destinations.

TABLE 8.53

SUNFLOWER AND FLAXSEED: SHIPMENTS FROM COMMERCIAL STORAGES BY COUNTY AND DESTINATION, NORTH DAKOTA, JULY 1, 1984-JULY 1, 1985 (Thousand of Bushels)

District & County	Sunflowers				Flaxseed			
	Duluth/ Superior	Mpls./ St. Paul	West	Misc.3	Duluth/ Superior	Mpls./ St. Paul	West	Misc.3
Burke	54,161	-----	-----	22,553	-----	-----	-----	-----
Divide	4,369	30	-----	20,440	-----	907	-----	-----
Mountrail	372,930	-----	10,955	60,030	-----	989	-----	-----
Renville	55,294	400	-----	3,542	-----	9,645	-----	8,909
Ward	1,179,387	318,092	-----	538,840	3,685	158,614	-----	33,615
Williams	9,612	1,301	2,653	146,072	-----	-----	-----	207
Northwest	1,675,753	319,823	13,608	791,477	3,685	170,155	-----	42,731
Benson	516,629	132,118	-----	65,278	4,030	48,029	-----	52,669
Bottineau	795,575	5,765	-----	62,842	5,246	61,595	-----	59,818
McHenry	139,783	86,891	-----	17,396	-----	24,173	-----	29,191
Pierce	142,681	21,215	-----	27,563	-----	77,583	-----	21,439
Rolette	101,375	9,075	-----	48,874	7,935	20,913	-----	30,579
North Central	1,696,043	255,064	-----	221,953	17,211	232,293	-----	193,696
Cavalier	281,508	17,411	-----	74,589	37,158	111,180	-----	128,822
Grand Forks	624,977	6,263	-----	195,512	-----	7,824	9	18,467
Nelson	534,338	87,382	-----	87,903	6,587	52,832	-----	31,317
Pembina	164,742	-----	-----	30,317	9,048	24,744	-----	29,093
Ramsey	581,478	13,404	-----	137,851	47,080	115,765	-----	115,821
Towner	184,888	481	-----	43,420	13,701	81,861	-----	123,291
Walsh	389,706	14,774	-----	183,965	5,063	20,244	-----	117,076
Northeast	2,761,637	139,715	-----	753,557	118,637	414,450	9	563,887
Dunn	-----	-----	-----	15,130	-----	-----	-----	-----
McKenzie	-----	-----	-----	-----	-----	-----	-----	-----
McLean	589,503	9,429	-----	336,720	1,777	107,396	1,724	133,094
Mercer	57,014	15,194	-----	13,213	-----	18,477	-----	3,391
Oliver	-----	-----	-----	-----	-----	-----	-----	-----
West Central	646,517	24,623	-----	365,063	1,777	125,873	1,724	136,485
Eddy	86,079	8,028	-----	147,257	1,798	12,634	-----	11,451
Foster	348,184	99,635	10,906	429,104	-----	22,922	-----	34,871
Kidder	8,868	-----	10,400	40,631	-----	7,454	-----	33,563
Sheridan	196,735	-----	-----	70,902	3,170	16,994	-----	74,502
Stutsman	848,762	64,734	4,757	826,332	-----	54,916	-----	125,583
Wells	318,653	4,000	-----	385,521	-----	64,293	-----	76,780
Central	1,807,281	176,397	26,063	1,899,747	4,968	179,213	-----	356,750

TABLE 8.53--Continued

District & County	Sunflowers Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]	Flaxseed Duluth/ Superior	Mpls./ St. Paul	West	Misc.[3]
Barnes	476,855	7,704	-----	317,697	12,774	7,577	-----	92,327
Cass	424,238	113,023	27,074	1,052,326	5,700	22,849	-----	30,440
Griggs	183,590	32,222	-----	279,623	916	5,989	-----	22,800
Steele	239,268	944	-----	215,615	150	9,999	-----	33,711
Traill	76,401	23,265	1,852	152,280	-----	2,926	-----	1,121
East Central	1,400,352	177,158	28,926	2,017,541	19,540	49,340	-----	180,399
Adams	23,510	30,303	-----	38,147	-----	3,205	4,155	128,056
Billings	-----	-----	-----	-----	-----	-----	-----	-----
Bowman	29,459	30,048	-----	33,880	-----	19,786	-----	8,687
Colden Valley	748	-----	7,187	8,857	-----	730	20,798	-----
Hettinger	6,746	36,449	640	358,443	-----	2,424	-----	4,075
Slope	-----	-----	-----	-----	-----	-----	-----	-----
Stark	171,927	151,618	482	71,870	-----	8,299	-----	3,594
Southwest	232,390	248,418	8,309	511,197	-----	34,444	24,953	144,412
Burleigh	64,149	5,002	-----	144,543	-----	14,983	-----	75,529
Emmons	70,315	-----	-----	67,321	-----	35,201	-----	106,689
Grant	-----	2,215	-----	165,986	-----	2,820	-----	-----
Morton	31,468	24,094	-----	52,563	-----	23,514	-----	5,509
Sioux	-----	1,959	-----	7,863	-----	808	-----	-----
South Central	165,932	33,270	-----	438,276	-----	77,326	-----	187,727
Dickey	394,280	72,648	-----	239,217	-----	30,605	-----	36,841
LaMoure	510,744	45,236	-----	262,636	-----	55,928	-----	144,520
Logan	193,144	22,468	-----	125,265	-----	108,453	-----	85,381
McIntosh	112,100	9,000	-----	40,699	-----	61,728	-----	143,102
Ransom	29,780	1,742	-----	33,988	-----	-----	-----	13,094
Richland	155,226	27,554	450	151,047	-----	5,250	94,500	7,368
Sargent	223,955	25,025	-----	163,004	-----	9,631	-----	19,985
Southeast	1,619,229	203,673	450	1,015,856	-----	271,595	94,500	450,264
STATE	1,200,134	1,578,141	77,356	8,014,667	165,818	1,154,689	121,186	2,256,351

SOURCE: Summarized by Upper Great Plains Transportation Institute from Public Service Commission Records.

[1] Does not include CCC shipments.
[2] Totals may not add due to rounding.
[3] Includes all other destinations.

TABLE 9.02

NORTH DAKOTA LIGNITE PRODUCTION (TONS) BY COUNTY, SELECTED FISCAL YEARS, 1960-1986

County	1960	1965	1970	1975	1980
Adams	19,141	22,461	14,165	25,476	43,107
Bowman	145,999	109,789	152,333	800,573	2,936,996
Burke	421,162	512,633	6,066,222	439,739	453,626
Burleigh	14,132	8,213	-----	-----	-----
Divide	233,319	-----	-----	-----	-----
Dunn	6,922	2,857	-----	-----	-----
Golden Valley	377	352	-----	-----	-----
Grant	26,175	20,331	8,955	5,000	4,691
Hettinger	7,374	3,300	-----	-----	-----
McKenzie	965	-----	-----	-----	-----
McLean	83,610	50,093	18,384	-----	2,591,854
Mercer	1,004,440	1,385,371	3,674,295	3,780,200	4,512,828
Morton	24,253	19,972	7,360	-----	-----
Oliver	10,445	7,333	1,893	1,553,215	5,638,737
Stark	35,775	77,493	120,966	158,447	223,900
Ward	484,415	534,763	389,473	339,417	335,361
Williams	4,187	4,151	7,782	9,340	87,803
Total	2,522,691	2,758,112	5,001,828	7,111,427	16,828,902

TABLE 9.02--Continued

County	1981	1982	1983	1984	1985	1986
Adams	35,795	34,509	-----	-----	-----	-----
Bowman	2,680,188	2,286,764	2,034,283	2,321,904	2,367,257	1,884,240
Burke	398,671	348,188	187,557	60,800	8,680	1,075
Burleigh	-----	-----	-----	-----	-----	-----
Divide	-----	-----	-----	3,436	-----	-----
Dunn	-----	-----	-----	-----	-----	-----
Golden Valley	-----	-----	-----	-----	-----	-----
Grant	8,951	4,556	2,083	10,799	2,950	-----
Hettinger	-----	-----	-----	-----	-----	-----
McKenzie	-----	-----	-----	-----	-----	-----
McLean	3,483,420	4,463,464	5,020,454	5,504,739	6,448,998	5,475,223
Mercer	4,038,473	2,913,024	2,294,552	3,558,678	8,922,330	11,865,424
Morton	-----	-----	-----	-----	-----	-----
Oliver	6,374,573	6,899,801	7,759,571	7,896,956	7,214,370	5,705,023
Stark	141,035	173,320	222,120	213,990	226,470	226,920
Ward	271,401	125,039	206,637	230,188	217,464	41,639
Williams	16,725	16,252	27,351	32,108	52,602	25,578
Total	17,449,232	17,264,917	17,754,608	19,833,599	25,461,120	25,225,122

SOURCE: North Dakota State Coal Mine Inspector, Biennial Report and Annual Report, various years; North Dakota Public Service Commission, Reclamation and Siting Division; and North Dakota State Industrial Commission.

TABLE 9.03

TONS OF COAL SEVERED IN NORTH DAKOTA AND TOTAL SEVERANCE TAX PAID BY COUNTY, FISCAL YEARS, 1983-1985

County	FY 1983		FY 1984		FY 1985	
	Tonnage	Total Tax	Tonnage	Total Tax	Tonnage	Total Tax
Adams	----------	----------	----------	-----	----------	-----
Bowman	1,929,695.50	$1,944,287.20	2,321,903.87	-----	2,367,256.72	-----
Burke	188,607.00	190,557.99	60,800.00	-----	8,680.00	-----
Divide	----------	----------	----------	-----	----------	-----
Grant	2,655.00	2,675.83	9,799.00	-----	2,950.00	-----
McLean	5,233,943.00	5,272,062.19	5,504,739.00	-----	6,440,998.00	-----
Mercer	2,413,269.58	2,431,607.89	3,567,976.43	-----	8,922,329.00	-----
Oliver	7,410,296.00	7,470,498.74	7,896,956.31	-----	7,214,370.04	-----
Stark	210,620.00	212,104.25	213,990.00	-----	226,470.00	-----
Ward	190,076.00	191,772.81	230,188.00	-----	217,464.00	-----
Williams	30,294.00	30,507.30	32,108.00	-----	52,601.50	-----
Total	17,609,536.96	$17,746,154.20	19,838,460.61	-----	25,461,120.06	-----

SOURCE: North Dakota State Tax Commissioner's Biennial Report, various years.

TABLE 9.04

DISTRIBUTION OF COAL SEVERANCE TAX BY COUNTY AND BY FORMULA DISTRIBUTION, FISCAL YEARS, 1980-1985

County	FY 1980	FY 1981	FY 1982
Adams	$ 6,237	$ 9,135	$ 7,374.53
Bowman	510,077	513,838	486,287.57
Burke	82,555	78,192	71,811.78
Grant	811	1,312	1,183.10
McLean	373,489	601,455	802,060.16
Mercer	852,232	653,230	690,202.55
Oliver	960,551	1,164,520	1,376,043.03
Stark	39,043	28,733	32,499.56
Ward	58,248	65,902	21,996.51
Williams	11,144	3,276	2,595.09

County	FY 1983	FY 1984	FY 1985
Adams	$ -----	$ -----	$ -----
Bowman	388,857.42	453,060.35	509,378.94
Burke	38,111.59	12,506.38	1,727.96
Divide	-----	671.14	0.00
Grant	535.16	1,520.41	1,307.85
McLean	1,054,412.45	1,073,313.99	1,309,109.43
Mercer	486,321.57	605,490.88	1,519,546.80
Oliver	1,494,099.74	1,808,494.16	1,382,283.13
Stark	42,436.84	45,300.53	44,313.72
Ward	38,354.56	45,280.26	43,564.46
Williams	6,101.47	6,275.45	8,498.82

Formula Distribution	FY 1980	FY 1981	FY 1983
Total Counties	$ 2,894,388	$ 3,119,594	$ 3,492,053.88
Impact Office	4,984,125	5,540,343	6,111,094.34
Land Board	2,136,054	2,374,433	2,619,040.43
General Fund	4,225,791	4,795,182	5,238,080.86
TOTAL	14,240,357	15,829,551	17,460,269.51

Formula Distribution	FY 1983	FY 1984	FY 1985
Total Counties	$ 3,549,230.80	$ 4,051,914.05	$ 4,819,931.11
Impact Office	6,211,154.00	7,090,849.62	6,934,879.46
Land Board	2,661,923.12	3,038,935.55	3,614,948.40
General Fund	5,323,846.28	6,434,170.01	9,500,962.64
TOTAL	17,746,154.20	20,615,869.23	24,870,721.61

SOURCE: North Dakota State Tax Commissioner's Biennial Report, various years.

Note: Detail may not add to totals due to rounding.

TABLE 9.05

NORTH DAKOTA CRUDE OIL PRODUCTION, 1951-1986

Year	Production (Barrels)	Year	Production (Barrels)	Year	Production (Barrels)
1951	26,727	1963	25,030,102	1975	20,451,051
1952	1,603,555	1964	25,730,346	1976	21,724,690
1953	5,275,831	1965	26,345,778	1977	23,272,804
1954	6,024,947	1966	27,126,243	1978	24,815,577
1955	11,183,607	1967	25,314,759	1979	30,913,888
1956	12,755,580	1968	25,039,195	1980	40,354,032
1957	13,210,633	1969	22,706,384	1981	45,706,999
1958	14,259,279	1970	22,000,300	1982	47,548,128
1959	17,871,950	1971	21,654,201	1983	50,736,503
1960	21,992,945	1972	20,624,199	1984	52,663,425
1961	23,671,115	1973	20,235,104	1985	50,950,259
1962	25,175,563	1974	19,696,849	1986	45,652,223

SOURCE: North Dakota Industrial Commission, Oil and Gas Division.

* Preliminary.

TABLE 9.06

CRUDE OIL REFINED IN NORTH DAKOTA, 1955-1986

Year*	Runs to Stills (Barrels)	Year*	Runs to Stills (Barrels)	Year*	Runs to Stills (Barrels)
1955	2,523,458	1966	17,490,515	1977	18,697,088
1956	11,899,209	1967	17,114,645	1978	18,825,737
1957	12,735,432	1968	18,580,994	1979	22,079,638
1958	11,549,061	1969	16,929,911	1980	19,253,916
1959	13,985,838	1970	18,186,331	1981	18,071,968
1960	15,757,492	1971	18,311,020	1982	18,919,214
1961	15,532,541	1972	19,044,996	1983	16,511,301
1962	16,060,590	1973	18,084,524	1984	19,990,691
1963	16,102,955	1974	17,013,196	1985	18,587,111
1964	16,510,724	1975	17,655,924	1986	18,660,620
1965	16,322,062	1976	18,843,577		

SOURCE: North Dakota Industrial Commission, Oil and Gas Division.

* Does not include data for Queen City Refinery (Dickinson) for 1955-1957. Post-1957 data includes statistics for Amoco Refinery (Mandan) and Westland Oil Refinery (Williston). Data since 1975 includes Northland Oil and Refining Co. (Dickinson).

TABLE 9.07

BARRELS OF PETROLEUM PRODUCED IN NORTH DAKOTA BY COUNTY, SELECTED YEARS, 1955-1982.

County	1955	1960	1965	1970
Billings	228,525	478,461	1,252,388	1,800,894
Bottineau	351,490	2,293,743	2,679,714	2,802,373
Bowman	-------	53,229	706,300	748,731
Burke	109,022	3,963,098	3,393,368	1,866,775
Divide	-------	459,115	293,402	290,493
Dunn	-------	39,617	23,949	11,642
Golden Valley	-------	-------	-------	58,129
Hettinger	-------	-------	-------	-------
McHenry	-------	7,643	54,712	21,443
McKenzie	900,656	6,084,982	7,537,692	4,035,796
Mercer	-------	-------	-------	-------
Mountrail	2,294,646	1,598,450	1,129,120	677,716
Renville	3,183	781,427	2,521,807	1,670,087
Slope	-------	-------	-------	44,714
Stark	5,362	8,317	103,714	1,966,394
Ward	-------	-------	7,246	359,487
Williams	7,290,723	6,209,749	6,642,290	5,636,026

County	1975	1980	1981	1982
Billings	2,115,634	14,458,733	19,532,475	18,470,431
Bottineau	2,485,724	2,662,066	2,631,171	2,551,682
Bowman	1,437,371	1,532,850	1,472,330	1,430,386
Burke	1,024,181	718,143	758,046	1,370,772
Divide	234,182	271,999	433,490	512,111
Dunn	43,505	2,755,447	2,562,628	3,707,060
Golden Valley	49,163	450,165	583,735	617,093
Hettinger	-------	36,920	35,050	30,137
McHenry	19,307	13,650	21,562	17,944
McKenzie	4,257,177	8,988,573	9,632,751	10,669,409
Mercer	-------	1,052	4,467	2,274
Mountrail	303,754	604,944	484,844	394,224
Renville	1,801,356	1,394,243	1,512,156	1,463,093
Slope	79,468	41,691	43,394	72,013
Stark	1,908,833	1,574,162	1,206,299	1,322,417
Ward	174,944	166,398	134,491	93,945
Williams	4,516,452	4,688,054	4,656,316	4,815,137

TABLE 9.07--Continued

County	1983	1984	1985	1986
Billings	17,352,567	15,526,788	13,190,447	11,140,394
Bottineau	2,476,690	2,375,371	2,314,347	2,180,594
Bowman	1,462,658	1,810,232	1,635,051	1,447,393
Burke	1,502,597	1,457,422	1,420,267	1,166,352
Divide	764,732	1,018,118	1,138,720	946,313
Dunn	3,731,573	3,762,457	3,499,178	3,239,890
Golden Valley	571,347	545,673	921,116	1,032,070
Hettinger	23,253	23,518	20,371	13,153
McHenry	18,654	26,561	49,519	37,851
McKenzie	13,425,998	16,137,295	16,791,312	14,665,449
Mercer	-------	-------	-------	-------
Mountrail	543,978	571,271	489,304	422,385
Renville	1,366,832	1,688,689	1,562,939	1,652,367
Slope	91,294	83,504	208,510	183,815
Stark	2,087,830	1,811,219	1,478,056	1,415,430
Ward	81,374	85,082	69,406	43,149
Williams	5,232,804	5,740,225	6,161,716	6,065,618

SOURCE: North Dakota Industrial Commission, Oil and Gas Division.

Note: During 1983, McLean county produced 2,322 barrels of oil.

TABLE 9.08

NORTH DAKOTA NATURAL GAS PRODUCTION (WET GAS), 1964-1986

Year	Production (MCF)*	Year	Production (MCF)*
1964	38,902,616	1976	27,668,894
1965	42,510,950	1977	29,192,629
1966	46,404,759	1978	33,403,000
1967	46,167,447	1979	38,029,921
1968	47,012,458	1980	49,840,857
1969	42,801,006	1981	NA
1970	40,837,884	1982	NA
1971	38,312,342	1983	NA
1972	39,062,831	1984	NA
1973	37,799,970	1985	NA
1974	30,863,612	1986	NA
1975	28,885,656		

SOURCE: North Dakota Industrial Commission, Oil and Gas Division.

* MCF - Thousand standard cubic feet.

TABLE 9.09

NATURAL GAS PROCESSED IN NORTH DAKOTA, 1954-1986

Year	Gas Processed* (MCF)	Year	Gas Processed* (MCF)
1954	1,371,523	1971	33,901,073
1955	10,379,404	1972	32,649,853
1956	11,669,466	1973	29,927,629
1957	13,994,595	1974	33,213,737
1958	14,391,876	1975	32,911,780
1959	14,960,430	1976	30,990,641
1960	17,583,538	1977	31,377,345
1961	16,490,063	1978	30,983,214
1962	25,355,554	1979	32,385,039
1963	33,886,694	1980	41,805,457
1964	36,867,034	1981	51,667,525
1965	39,755,412	1982	53,372,535
1966	42,538,208	1983	70,268,162
1967	40,682,575	1984	78,598,161
1968	41,018,768	1985	82,802,829
1969	37,612,599	1986	70,664,653
1970	36,065,323		

SOURCE: North Dakota Industrial Commission, Oil and Gas Division.

* Technically, data represent wet gas received by gas plants.

TABLE 9.10

NORTH DAKOTA OIL & GAS PRODUCTION TAX
COLLECTIONS BY COUNTY, SELECTED FISCAL YEARS
1970-1987

County	1970	1980	1983	1984	1985	1986	1987
Billings	$231,882	$3,001,765	$3,500,000	$3,900,000	$3,900,000	$3,239,942	$2,108,788
Bottineau	332,296	596,086	1,404,752	1,360,754	1,328,794	1,128,144	796,279
Bowman	72,751	384,188	1,075,307	1,207,155	1,099,164	848,678	529,498
Burke	288,605	364,179	1,285,924	1,058,901	1,032,191	815,443	490,911
Divide	42,319	161,393	496,822	778,022	816,763	640,227	513,233
Dunn	2,010	719,867	2,076,691	1,992,562	1,834,567	1,502,195	1,108,202
Golden Valley	6,395	268,647	563,800	455,835	439,513	624,593	323,107
Hettinger	--------	13,384	21,099	27,328	17,223	10,783	3,998
McHenry	3,529	13,565	14,254	24,691	26,605	28,169	11,871
McKenzie	705,010	1,833,767	4,500,000	4,600,000	4,600,000	4,108,967	2,962,246
Mountrail	108,749	313,249	395,173	477,530	423,260	261,171	157,810
Renville	200,594	389,885	981,281	984,521	1,080,699	836,255	590,793
Slope	8,287	16,571	70,484	72,890	86,211	143,379	38,166
Stark	182,356	374,322	1,324,048	1,312,847	1,107,030	827,163	599,562
Ward	44,211	78,141	65,887	89,068	57,727	34,937	13,331
Williams	970,125	987,077	2,397,749	2,353,261	2,429,373	2,047,826	1,646,859
Total	3,191,717*	9,516,086	20,473,492+	20,639,044	20,279,120	17,097,874	11,894,652

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* Totals may not exactly equal sums due to rounding of cents. In 1970, a $1,600 penalty was included.

+ State total includes $224 for 1983 and $13,680 for 1984 for Mercer County.

TABLE 9.11

TOTAL GAS SALES BY COMPANY IN NORTH DAKOTA, SELECTED YEARS, 1950-1984

(In Thousand Cubic Feet)

Year	Montana-Dakota Utilities Co.[1]	Northern States Power Co.	Otter Tail Power Co.[2]	White Gas Inc.[3] (Cenex)	Consumer's Gas Co.	Great Plains Natural Gas Co.	Total[4]
1950	10,174,009	370,109	11,836	------	10,573	------	10,643,302
1955	20,510,020	347,258	11,155	------	11,220	------	20,925,644
1960	23,081,023	399,635	17,816	------	9,295	------	23,508,540
1965	12,386,981	3,218,965	31,360	5,440	------	------	15,642,746
1967	12,665,876	3,965,094	29,128	28,901	------	100,233	16,789,232
1968	12,490,065	4,172,348	25,327	31,331	------	156,216	16,875,287
1969	13,682,663	4,410,959	27,203	27,842	------	186,110	18,334,777
1970	14,024,233	4,951,779	24,004	21,534	------	231,822	19,253,372
1971	14,315,240	5,144,475	8,794	22,403	------	254,366	19,745,274
1972	16,130,139	5,433,358	------	23,743	------	270,418	21,857,658
1973	15,826,984	5,379,763	------	22,066	------	266,473	21,495,286
1974	18,543,641	5,871,899	------	20,433	------	273,982	24,709,955
1975	19,641,192	5,526,465	------	22,140	------	287,598	25,477,395
1976	19,063,216	5,326,800	------	21,039	------	259,232	24,670,287
1977	18,456,280	4,914,882	------	21,282	------	259,721	23,652,165
1978	19,979,555	4,987,965	------	21,932	------	265,497	25,254,949
1979	20,307,199	5,306,101	------	14,845	------	284,338	25,912,483
1980	17,200,259	4,815,633	------	18,894	------	261,892	22,296,678
1981	16,592,034	4,310,910	------	18,742	------	211,794	21,133,480
1982	19,296,732	4,727,889	------	23,859	------	243,013	24,291,493
1983	16,489,346	4,487,651	------	18,333	------	233,160	21,228,490
1984	16,729,234	4,683,803	------	22,306	------	246,605	21,681,948

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

[1] Data for 1961 and earlier include the entire Baker-Boudoin-Worland System.

[2] Gas operations discontinued February 21, 1971.

[3] Began operations November 15, 1965 and was acquired by Cenex on January 1, 1979.

[4] Figures represent sales of all gas (i.e., natural gas, LPG, manufactured gas). Refer to Annual Reports cited above for specifics.

TABLE 9.12

AVERAGE PER CUSTOMER GAS SALES (MCF)[1] TO NORTH DAKOTA CUSTOMERS BY CUSTOMER CLASS, BY COMPANY, SELECTED YEARS, 1940-1984

	Type[2]	Residential	Commercial	Industrial	Interdepartmental	Sales to Public Authorities
1940	A					
Central Elec. & Telephone		13.20	40.90[3]		----------	-------
Minot Gas		17.10	97.60		----------	-------
Montana-Dakota Utilities		129.00	829.30		----------	-------
Northern States Power, Fargo		18.90	100.60		----------	46.80
Northern States Power, Gr. Forks		19.20	88.00		----------	-------
Wahpeton Gas		25.10	34.40		----------	-------
1950						
Consumers Gas	LP	30.35	247.06		----------	-------
Minot Gas	LP	25.90	973.44		----------	-------
Montana-Dakota Utilities	LP	33.32	80.94		----------	-------
Montana-Dakota Utilities	N	223.98	817.59	9,790.13	119,229.50	-------
Northern States Power, Fargo	M	21.92	226.11		----------	-------
Northern-States Power, Gr. Forks	LP	13.07	99.58		----------	-------
Otter Tail Power	LP	11.44	92.02		----------	-------
1960						
Montana-Dakota Utilities	N	174.04	829.37	16,594.82	35,154.00	-------
Northern States Power	ALL GAS	24.30	194.05		----------	-------
Consumers Gas	LP	46.52	170.70		----------	-------
Montana-Dakota Utilities	LP	36.55	157.43	1,332.67	----------	-------
Otter Tail Power	LP	26.46	100.65		----------	-------
1970						
Montana-Dakota Utilities	N	201.70	1,410.29	134,404.86	305,319.00	-------
Northern States Power	N	131.96	1,635.20		----------	-------
Great Plains Natural Gas	N	143.09	822.12	----------	----------	3,049.71
White Gas	LP	50.52	244.94	----------	----------	-------
Montana-Dakota Utilities	LP	60.30	370.80	----------	----------	-------
Otter Tail Power	LP	55.40	417.00	----------	----------	-------

TABLE 9.12--Continued

	Type[2]	Residential	Commercial	Industrial	Interdepartmental	Sales to Public Authorities
1980						
Montana-Dakota Utilities	N	139.45	1,157.22	117,971.00	16,453.00	--------
Northern States Power	N	108.03	1,180.83		---------	--------
Great Plains Natural Gas	N	113.24	706.64	----------	---------	--------
Cenex	LP	41.09	370.00	----------	---------	--------
1981						
Montana-Dakota Utilities	N	125.44	1,063.05	177,975.67	20,648.00	--------
Northern States Power	N	96.66	1,074.77	----------	---------	--------
Great Plains Natural Gas	N	98.11	602.62	----------	---------	--------
Cenex	LP	36.90	126.96	----------	---------	--------
1982						
Montana-Dakota Utilities	N	144.52	1,137.04	150,701.57	19,534.00	--------
Northern States Power	N	108.60	1,116.96	----------	---------	--------
Great Plains Natural Gas	N	113.54	646.55	----------	---------	--------
Cenex	LP	45.12	153.94	----------	---------	--------
1983						
Montana-Dakota Utilities	N	122.05	930.37	82,730.25	11,507.00	--------
Northern States Power	N	98.93	1,074.36	----------	---------	--------
Great Plains Natural Gas	N	103.44	613.51	----------	---------	--------
Cenex	LP	40.63	40.74	----------	---------	--------
1984						
Montana-Dakota Utilities	N	125.03	942.96	119,732.00	8,774.00	--------
Northern States Power	N	101.71	1099.06	----------	---------	--------
Great Plains Natural Gas	N	106.21	597.62	----------	---------	--------
Cenex	LP	52.49	52.48	----------	---------	--------

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

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[1] MCF--Thousand standard cubic feet.

[2] A--Not available by type. LP--Liquified Petroleum. N--Natural Gas. M--Manufactured Gas.

[3] Combined commercial and industrial.

TABLE 9.14

NORTH DAKOTA ELECTRIC POWER GENERATION AND EXPORTATION, 1970-1984*

(In Kilowatt Hours)

Year	KWH Generated	KWH For Export	Percent
1970	7,021,317,672	3,821,760,482	54%
1971	8,174,928,320	4,827,365,240	59
1972	8,763,536,790	5,103,029,119	58
1973	7,783,256,199	3,996,185,036	51
1974	8,476,046,550	4,415,374,941	52
1975	8,518,402,651	3,993,653,311	47
1976	10,450,128,134	5,547,086,787	53
1977	10,382,500,715	5,218,946,941	50
1978	12,856,497,958	7,132,915,921	55
1979	14,316,412,246	8,091,536,004	57
1980	15,569,249,644	9,297,664,374	60
1981	16,415,495,192	9,831,314,663	60
1982	17,974,737,169	10,729,190,643	60
1983	19,253,778,566	11,894,096,779	62
1984	20,999,176,172	13,287,322,062	63

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Includes generation within North Dakota from investor-owned utilities, co-ops, municipal systems, and the U.S. Bureau of Reclamation.

TABLE 9.15

ELECTRIC POWER CONSUMPTION IN NORTH DAKOTA, 1970-1984 (In Megawatt Hours)

Year	Investor Owned Utilities	Rural Electric Co-ops	Municipal	Line Loss (14%)	Total Consumption
1970	1,554,087	1,085,052	112,480	447,938	3,199,557
1971	1,638,699	1,127,401	112,804	468,659	3,347,563
1972	1,775,930	1,250,763	121,258	512,557	3,660,508
1973	1,849,698	1,278,114	129,074	530,185	3,787,071
1974	1,961,477	1,394,352	136,348	568,494	4,060,672
1975	2,185,306	1,558,384	147,594	633,465	4,524,749
1976	2,386,653	1,664,873	165,089	686,426	4,903,041
1977	2,524,092	1,752,161	164,403	722,898	5,163,554
1978	2,826,750	1,921,856	173,674	801,301	5,723,582
1979	3,063,905	2,108,043	181,626	871,301	6,224,876
1980	3,079,306	2,117,928	196,330	878,022	6,271,585
1981	3,197,191	2,283,673	181,532	921,785	6,584,181
1982	3,416,640	2,604,414	210,116	1,014,377	7,245,547
1983	3,466,512	2,655,149	207,665	1,030,355	7,359,682
1984	3,613,027	2,804,115	215,052	1,079,660	7,711,854

SOURCE: North Dakota Public Service Commission, *Annual Report*, various years.

TABLE 9.16

KILOWATT HOURS OF ELECTRICITY SOLD IN NORTH DAKOTA BY INVESTOR-OWNED UTILITIES AND BY RURAL ELECTRIC COOPERATIVES, SELECTED YEARS, 1930-1984

Year	Investor-Owned Utilities (KWH Sold)	Rural Electric Cooperatives (KWH Sold)
1930*	80,085,396	------------
1940	141,568,279	------------
1950	439,513,486	142,178,415
1960	827,415,416	375,950,982
1965	1,146,161,610	778,401,303
1970	1,717,028,677	1,085,052,340
1975	2,398,746,321	1,558,383,992
1976	2,762,488,177	1,664,872,962
1977	2,830,384,367	1,752,160,799
1978	3,034,680,113	1,921,855,969
1979	3,342,240,174	2,108,376,349
1980	3,326,703,813	2,117,927,802
1981	3,426,432,000	2,283,672,722
1982	3,916,244,000	2,604,413,975
1983	3,919,002,000	2,655,149,036
1984	3,871,537,000	2,804,114,752

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* 26 of 44 utilities reporting.

TABLE 9.13

AVERAGE NUMBER OF GAS* CUSTOMERS IN NORTH DAKOTA BY COMPANY AND CLASS, 1980-1984

	Montana-Dakota Utilities Co.	Northern States Power Co.	Great Plains Natural Gas Co.	White Gas, Inc. (Cenex begining in 1979)
1980				
Residential	56,301	18,475	1,037	435
Commercial/Industrial	7,560	2,388	180	18
Other	1	------	------	------
Total	63,862	20,863	1,217	453
1981				
Residential	58,934	18,236	1,047	415
Commercial/Industrial	7,636	2,371	181	27
Other	1	------	------	------
Total	66,571	20,607	1,228	442
1982				
Residential	61,374	17,830	1,047	423
Commercial/Industrial	8,232	2,498	192	31
Other	------	------	------	------
Total	69,607	20,328	1,239	454
1983				
Residential	63,554	17,887	1,056	361
Commercial/Industrial	8,542	2,530	202	90
Other	1	------	------	------
Total	72,097	20,417	1,258	451
1984				
Residential	64,219	17,998	1,084	340
Commercial/Industrial	8,587	2,596	220	85
Other	1	------	------	------
Total	72,807	20,594	1,304	425

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* White Gas (Cenex) sells liquefied petroleum gas. The others sell natural gas.

TABLE 9.17

AVERAGE KWH ELECTRICITY SALES TO NORTH DAKOTA CUSTOMERS BY CUSTOMER CLASS, BY INVESTOR-OWNED UTILITIES, SELECTED YEARS, 1940-1984

	Residential or Domestic	Rural	Commercial & Industrial	Public Street & Highway Lighting	Other Sales to Public Authorities	Sales to Other Electric Utilities
1940						
Central Elec. & Telephone	736	671	1,177	6,517	11,864	----------
Interstate Power	849	1,203	1,610	5,905	2,442	----------
Montana-Dakota Utilities	689	749	2,243	8,722	33,472	----------
Dakota Public Service	916	3,549	3,752	15,985	101,983	----------
Northern States Power, Fargo	1,036	3,966	8,505	279,570	192,916	----------
Northern States Power, Gr. Forks	948	1,789	3,709	46,838	97,031	----------
Northern States Power, Minot	1,144	6,424	5,222	110,782	657,300	----------
Otter Tail Power	1,000	1,495	2,605	5,754	7,666	----------
1950						
Montana-Dakota Utilities	1,982	3,742	8,334	26,451	67,881	12,195,540
Northern States Power, Fargo	2,007	3,897	15,628	257,833	235,297	----------
Northern States Power, Gr. Forks	1,970	3,180	9,833	114,804	153,233	2,150,700
Northern States Power, Minot	2,053	8,081	11,069	141,900	1,170,732	----------
Otter Tail Power	2,104	3,880	5,641	11,361	46,119	1,306,093
1960						
Montana-Dakota Utilities	3,724	-----	13,910	65,085	125,883	23,622,051
Northern States Power	3,245	-----	23,488	341,618	215,929	3,596,400
Otter Tail Power	3,997	-----	8,538	29,107	50,516	508,832
1970						
Montana-Dakota Utilities	5,522	-----	26,837	140,050	185,554	23,347,562
Northern States Power	6,170	-----	49,316	62,853	247,061	----------
Otter Tail Power	6,859	-----	18,410	47,725	34,347	9,289,942

TABLE 9.17--Continued

	Residential or Domestic	Rural	Commercial & Industrial	Public Street & Highway Lighting	Other Sales to Public Authorities	Sales to Other Electric Utilities
1980						
Montana-Dakota Utilities	7,226	-----	46,914	189,743	368,457	----------
Northern States Power	8,386	-----	71,279	71,203	275,051	----------
Otter Tail Power	9,628	-----	56,038	61,434	45,480	24,739,797
1981						
Montana-Dakota Utilities	7,320	-----	51,556	195,157	342,676	----------
Northern States Power	8,487	-----	73,961	71,854	280,442	----------
Otter Tail Power	9,546	-----	56,751	62,227	45,271	22,924,100
1982						
Montana-Dakota Utilities	7,796	-----	53,343	199,074	370,254	----------
Northern States Power	9,455	-----	68,046	233,712	291,222	----------
Otter Tail Power	10,595	-----	56,287	61,983	41,589	49,960,400
1983						
Montana-Dakota Utilities	7,703	-----	53,148	197,870	387,260	----------
Northern States Power	9,422	-----	69,831	258,712	296,788	----------
Otter Tail Power	10,396	-----	56,307	62,245	42,421	50,276,667
1984						
Montana-Dakota Utilities	7,672	-----	55,731	194,130	395,685	----------
Northern States Power	9,649	-----	71,219	259,627	312,469	----------
Otter Tail Power	10,588	-----	60,661	61,052	45,782	28,723,333

SOURCE: North Dakota Public Service Commission, Annual Report & Biennial, various years.

TABLE 9.18

KWH ELECTRICITY SALES OF INVESTOR-OWNED UTILITIES IN NORTH DAKOTA BY COMPANY, SELECTED YEARS, 1940-1984

(In Thousands of KWH)

Company	1940	1950	1955	1960	1965
Montana-Dakota Utilities	11,052	123,157	183,023	273,674	343,794
Northern States Power	51,712	138,831	204,866	303,992	458,490
Otter Tail Power	47,896	180,526	179,719	249,749	343,877
Total	141,568*	439,514	567,607	827,415	1,146,162

Company	1970	1972	1973	1974	1975
Montana-Dakota Utilities	519,145	645,264	657,956	626,833	714,922
Northern States Power	634,558	727,492	750,641	793,654	868,489
Otter Tail Power	563,326	600,719	612,353	657,929	814,835
Total	1,717,029	1,973,475	2,020,950	2,078,415	2,398,746

Company	1980	1981	1982	1983	1984
Montana-Dakota Utilities	843,775	903,764	982,637	994,895	1,015,410
Northern States Power	1,162,477	1,200,090	1,294,725	1,335,562	1,402,100
Otter Tail Power	1,320,452	1,322,578	1,638,882	1,588,545	1,454,027
Total	3,326,704	3,426,432	3,916,244	3,919,002	3,871,537

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Includes sales by Central Electric and Telephone Co., Interstate Power Company, and Dakota Public Service Co. (2,346,700; 857,412 and 27,703,748 KWH, respectively).

TABLE 9.19

KWH SALES OF ELECTRIC DISTRIBUTION COOPERATIVES OPERATING IN NORTH DAKOTA
SELECTED YEARS, 1950-1984
(In Thousands of KWH)

Electric Cooperative	1950*	1960*	1970	1975	1980
Baker	5,948	24,406	54,474	77,576	91,976
Burke-Divide	754	10,183	31,548	37,236	39,946
Capitol	939	9,088	29,009	54,427	85,191
Cass County	11,050	40,514	94,306	161,287	257,259
Cavalier Rural	939	7,008	32,660	51,587	42,670
Goldenwest	1,075	2,294	3,468	4,530	4,930
James Valley	2,376	17,620	35,651	52,882	65,184
KEM	549	15,608	28,457	38,055	45,681
Lower Yellowstone Rural	NA	1,430	2,865	5,109	15,745
McKenzie	743	9,801	24,716	38,276	116,184
McLean	7,614	9,496	30,221	40,339	49,699
Mor-Gran-Sow	1,371	18,041	39,697	60,933	76,462
Mountrail	1,093	4,316	31,432	33,777	41,457
Nodak Rural	16,270	56,573	199,664	285,255	375,768
North Central	2,522	14,891	54,042	70,686	98,469
Oliver-Mercer	983	7,008	23,343	44,996	86,140
RSR	4,097	13,739	25,325	62,786	84,183
Sheridan County	415	3,594	4,206	4,015	4,652
Sheyenne Valley	3,139	12,526	51,715	60,332	68,544
Slope	997	12,025	23,937	37,696	49,024
Traverse	------	------	360	254	327
Tri-County	3,863	22,229	46,269	65,986	87,634
Verendrye	5,206	37,230	151,999	169,225	184,344
West Plains	3,684	15,195	45,862	71,170	95,791
Williams	1,710	10,139	19,828	29,247	50,668
Total	77,330	375,951	1,085,052	1,550,384	2,117,920

TABLE 9.22

GASOLINE AND SPECIAL FUELS SALES, NORTH DAKOTA, FISCAL YEARS, 1953-1985 (In Gallons)

Fiscal Year	Gasoline Sales*	Special Fuels Sales**
1953	286,304,469	5,664,988
1954	299,816,127	5,433,217
1955	308,502,823	6,164,230
1956	307,439,133	60,061,128
1957	317,888,656	74,064,382
1958	322,886,117	81,010,932
1959	326,905,881	83,334,905
1960	301,234,847	228,022,918
1961	343,177,227	244,302,683
1962	316,309,734	275,198,329
1963	339,724,639	318,020,672
1964	343,070,390	320,975,503
1965	352,684,567	350,172,331
1966	363,599,906	337,761,381
1967	353,099,398	355,763,909
1968	362,552,926	363,458,450
1969	393,670,860	401,536,458
1970	362,161,413	379,163,880
1971	394,075,077	435,941,820
1972	426,963,979	451,583,481
1973	442,504,921	461,082,741
1974	438,432,343	453,498,844
1975	435,577,680	453,006,566
1976	471,705,286	487,954,811
1977	489,550,180	500,726,675
1978	492,275,804	538,480,476
1979	370,865,525	70,272,749
1980	339,258,182	493,730,997
1981	323,989,420	434,882,660
1982	340,442,466	496,340,146
1983	348,432,564	445,899,448
1984	330,133,091	447,402,019
1985	321,051,020	419,527,766

SOURCE: North Dakota Tax Department, Biennial Report, various years.

* Gross sales reported to North Dakota Tax Department.

** Variations in special fuels sales reported herein are attributable to changes in the special fuels law over the years. In 1955 the "user" type law was replaced by a "dealer" law whereby dealers became responsible for collecting and remitting tax. In 1959 a 2% tax was levied on fuel sold by heating, agricultural, or railroad purposes. Prior to July 1, 1959 such fuel was tax exempt. Caution must be exercised when comparing pre-1959 sales with subsequent years.

10.00

CONSTRUCTION

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TABLE 10.01

YEAR-ROUND HOUSING UNITS AND OCCUPANCY BY NORTH DAKOTA, 1980

County	Year-Round Housing Units	Owner Occupied	Renter Occupied	Vacant Units
NORTH DAKOTA	252,749	156,498	71,166	24,954
Adams	1,534	1,003	330	200
Barnes	5,757	3,499	1,595	658
Benson	3,004	1,800	728	475
Billings	402	295	72	37
Bottineau	3,777	2,600	670	494
Bowman	1,668	1,178	327	160
Burke	1,764	1,186	258	317
Burleigh	20,774	12,858	6,562	1,360
Cass	35,126	19,257	13,356	2,516
Cavalier	3,022	2,131	556	325
Dickey	2,768	1,819	635	308
Divide	1,712	1,072	237	411
Dunn	1,705	1,182	360	158
Eddy	1,509	1,002	340	165
Emmons	2,253	1,644	280	321
Foster	1,781	1,184	439	162
Golden Valley	981	664	186	134
Grand Forks	24,432	11,540	10,568	2,327
Grant	1,736	1,225	273	230
Griggs	1,650	1,083	308	264
Hettinger	1,635	1,198	299	145
Kidder	1,566	1,135	217	254
LaMoure	2,514	1,828	437	248
Logan	1,393	1,069	136	186
McHenry	3,374	2,287	545	543
McIntosh	2,098	1,536	318	238
McKenzie	2,805	1,789	593	406
McLean	5,233	3,349	928	843
Mercer	3,709	2,562	695	476
Morton	9,272	6,592	1,937	747

TABLE 9.19--Continued

Electric Cooperative	1981**	1982**	1983**	1984**
Baker	97,061	112,455	103,233	110,009
Burke-Divide	39,642	44,693	45,143	48,618
Capitol	83,098	89,453	87,658	90,653
Cass County	271,826	301,338	299,136	312,395
Cavalier Rural	42,799	47,219	44,337	43,589
Goldenwest	5,455	5,677	7,044	4,919
James Valley	63,169	69,383	64,693	65,415
KEM	44,072	50,237	47,901	48,771
Lower Yellowstone Rural	28,136	25,405	24,055	23,673
McKenzie	171,814	224,846	274,281	313,079
McLean	44,181	48,627	44,181	46,862
Mor-Gran-Sow	73,163	80,320	76,595	79,238
Mountrail	42,032	46,537	44,278	43,977
Nodak Rural	382,843	431,197	420,000	421,424
North Central	99,861	109,387	103,358	108,461
Oliver-Mercer	382,843	108,071	145,880	148,208
RSR	84,913	87,456	83,953	85,918
Sheridan County	6,210	8,204	9,246	10,403
Sheyenne Valley	70,745	78,442	68,273	74,985
Slope	47,828	53,011	50,043	53,321
Traverse	329	362	370	327
Tri-County	81,703	91,044	87,203	89,870
Verendrye	186,694	206,362	205,092	209,495
West Plains	157,958	209,200	243,813	292,259
Williams	64,145	75,485	75,385	78,243
Total	2,283,673	2,604,414	2,655,149	2,804,115

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Data for 1950 and 1960 represent fiscal years. *

** Total does not add up due to rounding.

NA Data not available.

TABLE 9.20

AVERAGE MONTHLY KILOWATT HOUR SALES PER CUSTOMER FOR ELECTRIC DISTRIBUTION COOPERATIVES OPERATING IN NORTH DAKOTA, SELECTED YEARS, 1950-1984

Electric Cooperative	1950*	1960*	1970	1973	1974	1975	1976	1977
Baker	191	462	1,026	1,176	1,306	1,391	1,435	1,470
Burke-Divide	92	487	1,343	1,567	1,559	1,553	1,594	1,628
Capitol	96	439	911	1,021	1,084	1,154	1,246	1,294
Cass County	178	514	1,089	1,355	1,466	1,620	1,771	1,838
Cavalier Rural	58	377	1,582	2,079	2,249	2,370	2,168	1,890
Goldenwest	274	482	696	784	806	835	827	878
James Valley	107	443	948	1,122	1,217	1,329	1,439	1,310
KEM	43	451	759	840	940	999	1,072	1,081
Lower Yellowstone Rural	NA	405	671	613	1,105	1,007	979	1,043
McKenzie	92	433	898	1,060	1,159	1,288	1,317	1,439
McLean	516	445	1,177	1,254	1,379	1,385	1,431	1,729
Mor-Gran-Sow	138	477	932	988	1,047	1,149	1,209	1,223
Mountrail	85	195	1,359	1,377	1,437	1,338	1,375	1,377
Nodak Rural	175	520	1,855	2,130	2,152	2,478	2,494	2,621
North Central	113	367	1,061	1,132	1,203	1,247	1,258	1,255
Oliver-Mercer	105	423	1,281	1,260	1,400	1,897	2,184	2,364
RSR	148	469	870	979	1,328	2,066	2,217	2,139
Sheridan County	144	1,077	1,313	1,126	1,121	1,221	1,448	1,639
Sheyenne Valley	118	453	1,934	1,918	1,981	2,027	1,955	1,898
Slope	119	471	885	978	1,090	1,210	1,270	1,329
Traverse	----	----	1,877	1,136	1,140	1,247	1,336	1,567
Tri-County	136	404	849	954	1,044	1,135	1,213	1,237
Verendrye	155	691	2,452	2,251	2,190	2,236	2,206	2,231
West Plains	273	573	1,508	1,631	1,882	2,025	2,103	2,188
Williams	115	557	857	1,064	1,146	1,170	1,228	1,270
All Cooperatives (Average)	157	478	1,273	1,393	1,487	1,625	1,683	1,722

TABLE 9.20--Continued

Electric Cooperatiive	1978	1979	1980	1981	1982	1983	1984
Baker	1,547	1,708	1,548	1,620	1,875	1,713	1,796
Burke-Divide	1,726	1,741	1,671	1,633	1,808	1,791	1,685
Capitol	1,393	1,434	1,339	1,274	1,340	1,236	1,232
Cass County	1,979	2,177	2,172	2,276	2,488	2,433	2,486
Cavalier Rural	1,917	2,069	2,055	2,089	2,362	2,189	2,192
Goldenwest	864	907	838	842	906	1,120	776
James Valley	1,538	1,592	1,594	1,534	1,699	1,595	1,628
Kem	1,102	1,165	1,143	1,100	1,259	1,206	1,227
Lower Yellowstone Rural	992	962	2,034	3,169	2,999	2,992	2,717
McKenzie	1,751	2,683	2,995	3,628	4,551	5,203	5,662
McLean	2,047	1,867	1,551	1,386	1,519	1,374	1,450
Mor-Gran-Sow	1,199	1,367	1,288	1,215	1,333	1,269	1,300
Mountrail	1,476	1,491	1,474	1,436	1,573	1,431	1,409
Nodak Rural	2,798	2,951	2,938	2,969	3,342	3,218	3,204
North Central	1,372	1,506	1,501	1,478	1,598	1,470	1,510
Oliver-Mercer	2,139	2,494	2,495	2,699	2,826	3,437	3,397
RSR	2,621	2,803	2,728	2,774	2,902	2,901	2,881
Sheridan County	1,595	1,649	1,415	1,785	2,317	2,560	2,761
Sheyenne Valley	1,948	2,169	2,136	2,166	2,409	2,102	2,319
Slope	1,480	1,498	1,423	1,356	1,513	1,411	1,485
Traverse	1,686	1,866	1,512	1,522	1,677	1,714	1,364
Tri-County	1,307	1,436	1,447	1,341	1,496	1,425	1,451
Verendrye	2,326	2,349	2,224	2,209	2,427	2,275	2,279
West Plains	2,272	2,286	2,286	2,822	3,395	3,947	4,527
Williams	1,287	1,448	1,379	1,537	1,814	1,866	1,899
All Cooperatives (Average)	1,838	1,979	1,943	2,018	2,273	2,273	2,357

SOURCE: North Dakota Public Service Commission, Annual Report, various years.

* Data for years 1950 and 1960 represent fiscal years.

NA Data not available.

TABLE 9.21

AVERAGE NUMBER OF ELECTRIC CUSTOMERS IN NORTH DAKOTA BY COMPANY AND CLASS, SELECTED YEARS, 1950-1984

	Montana-Dakota Utilities Co.	Northern States Power Co.	Otter Tail Power Co.	Total of Electric Distribution Cooperatives
1950				
Residential[1]	25,435	27,677	32,799	58,405[2]
Commercial/Industrial	6,395	5,232	9,728	------
Other	157	51	317	------
Total	31,987	32,960	42,844	58,405
1960				
Residential	34,423	44,724	35,135	65,999[2]
Commercial/Industrial	7,652	5,672	11,066	------
Other	180	92	345	------
Total	42,255	50,488	46,546	65,999
1975				
Residential	43,687	49,686	40,858	79,896
Commercial/Industrial	7,834	7,223	10,839	------
Other	191	361	491	------
Total	51,712	57,270	52,188	79,896
1977				
Residential	47,634	53,968	42,497	84,777
Commercial/Industrial	8,194	7,849	11,109	------
Other	193	403	508	------
Total	56,021	62,220	54,114	84,777
1978				
Residential	49,695	55,554	42,873	87,149
Commercial/Industrial	8,243	8,189	11,222	------
Other	179	414	518	------
Total	58,117	64,157	54,613	87,149
1979				
Residential	51,816	57,260	43,093	88,792
Commercial/Industrial	8,467	8,355	11,047[2]	------
Other	179	424	526	------
Total	60,462	66,039	54,866	88,792

TABLE 9.21--Continued

	Montana-Dakota Utilities Co.	Northern States Power Co.	Otter Tail Power Co.	Total of Electric Distribution Cooperatives
1980				
Residential	54,008	58,340	43,253	90,834
Commercial\Industrial	8,672	8,459	11,230	------
Other	179	432	529	------
Total	62,859	67,231	55,012	90,834
1981				
Residential	55,838	58,798	43,789	94,293
Commercial\Industrial	8,721	8,491	11,422	------
Other	179	439	523	------
Total	64,738	67,728	55,734	94,293
1982				
Residential	58,022	57,789	44,019	95,466
Commercial\Industrial	9,045	9,902	11,487	------
Other	179	269	531	------
Total	67,245	67,960	56,037	95,466
1983				
Residential	59,219	58,980	44,360	97,328
Commercial\Industrial	9,202	10,065	11,507	------
Other	181	267	537	------
Total	68,602	69,312	56,404	97,328
1984				
Residential	59,347	60,804	44,468	99,131
Commercial\Industrial	9,156	10,317	11,494	------
Other	181	268	532	------
Total	68,684	71,389	56,494	99,131

SOURCE: North Dakota Public Service Commission, Biennial Report, various years.

[1] Includes rural customers.

[2] Fiscal year.

TABLE 10.01--Continued

County	Year-Round Housing Units	Owner Occupied	Renter Occupied	Vacant Units
Mountrail	3,074	2,046	629	391
Nelson	2,405	1,565	418	427
Oliver	945	654	144	148
Pembina	4,294	2,940	814	545
Pierce	2,360	1,600	513	242
Ramsey	5,165	3,129	1,489	536
Ransom	2,710	1,808	595	305
Renville	1,443	1,035	252	157
Richland	7,113	4,463	1,950	694
Rolette	3,748	2,273	1,152	338
Sargent	2,199	1,559	398	236
Sheridan	1,166	833	174	156
Sioux	1,052	456	464	133
Slope	475	334	54	91
Stark	8,441	5,634	2,198	614
Steele	1,364	856	286	223
Stutsman	9,505	5,965	2,684	859
Towner	1,654	1,119	377	153
Traill	3,856	2,481	946	4[illegible]6
Walsh	5,963	4,061	1,183	711
Ward	21,374	12,437	7,455	1,489
Wells	2,862	1,977	573	301
Williams	8,627	5,706	2,233	681

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, computerized material, Census Users Bureau, University of North Dakota.

TABLE 10.02

ESTIMATED NUMBER OF HOUSEHOLDS IN NORTH DAKOTA SELECTED YEARS, 1930-1985

Year	Total Households	Year	Total Households
1930	145,000	1978	217,000
1940	153,000	1979	NA
1950	162,000	1980	228,000
1960	173,000	1981	NA
1970	182,000	1982	NA
1975	202,000	1983	NA
1976	211,000	1984	241,000
1977	215,000	1985	242,000

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

TABLE 10.03

VALUE OF CONSTRUCTION CONTRACTS IN NORTH DAKOTA, SELECTED YEARS, 1940-1985

Year	Total Value (Millions)	Year	Total Value (Millions)
1940	$ 7	1977	727
1945	7	1978	824
1950	63	1979	601
1955	85	1980	456
1960	141	1981	513
1965	127	1982	3,096
1970	296	1983	584
1975	865	1984	574
1976	394	1985	597

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

TABLE 10.04

VALUE OF CONSTRUCTION CONTRACTS IN THE UNITED STATES, NORTH DAKOTA AND SELECTED STATES, SELECTED YEARS, 1960-1985

(Millions of Dollars)

States	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985
U.S. Total	$36,318	$49,272	$68,294	$92,659	$148,393	$150,189	$156,240	$193,602	$211,480	$227,650
NORTH DAKOTA	141	127	296	865	456	513	3,096	584	574	597
South Dakota	186	112	160	275	421	351	765	430	514	493
Minnesota	661	793	1,094	1,667	2,746	2,666	2,985	4,183	3,760	4,272
Montana	133	219	184	393	395	2,033	635	649	721	709
Wyoming	121	117	161	229	644	578	721	880	580	614
Nebraska	288	360	334	747	830	771	1,028	987	1,140	1,040

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

Note: Includes new structures and alterations to existing structures. Represents value of construction in states in which work was actually done.

TABLE 10.05

PERMIT-AUTHORIZED CONSTRUCTION BY TYPE FOR NORTH DAKOTA COUNTIES, 1986

County	New Residential		New Non-Residential		Additions & Alterations	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
NORTH DAKOTA	1,257	$85,817	732	$39,572	4,484	$55,787
Adams	2	79	1	26	----	----
Barnes	8	859	31	8,659	51	512
Benson	----	----	2	129	----	----
Billings	----	----	----	----	----	----
Bottineau	4	247	1	7	39	164
Bowman	6	230	1	25	11	114
Burke	5	65	2	5	15	397
Burleigh	198	11,536	42	1,396	493	7,978
Cass	405	36,903	66	7,881	970	19,924
Cavalier	8	404	3	64	49	239
Dickey	----	----	5	2	63	111
Divide	4	308	6	191	1	4
Dunn	1	50	1	45	3	4
Eddy	----	----	2	43	4	27
Emmons	2	99	5	1,327	6	29
Foster	----	----	3	41	22	80
Golden Valley	----	----	4	79	7	17
Grand Forks	150	12,446	167	4,412	656	5,666
Grant	2	110	1	27	18	126
Griggs	2	67	6	150	13	228
Hettinger	1	30	----	----	22	87
Kidder	3	115	2	10	10	54
LaMoure	4	259	8	221	18	98
Logan	----	----	----	----	----	----
McHenry	1	12	3	1	6	28
McIntosh	7	293	3	676	52	220
McKenzie	7	269	16	12	9	43
McLean	14	643	22	59	37	292
Mercer	38	2,560	41	217	53	369
Morton	123	1,357	25	2,808	227	2,045

TABLE 10.05--Continued

County	New Residential		New Non-Residential		Additions & Alterations	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
Mountrail	6	$307	22	527	30	$117
Nelson	1	20	1	60	12	179
Oliver	1	65	----	----	43	105
Pembina	10	1,449	13	690	82	392
Pierce	5	628	1	12	31	88
Ramsey	22	1,414	33	955	104	1,790
Ranson	6	242	6	41	85	265
Renville	3	125	7	451	17	107
Richland	17	1,760	9	1,373	110	841
Rolette	5	179	10	821	23	42
Sargent	2	135	9	447	21	404
Sheridan	2	30	----	----	9	16
Sioux	4	46	2	30	----	----
Slope*	----	----	----	----	----	----
Stark	19	1,242	19	576	73	1,001
Steele	----	----	2	250	6	67
Stutsman	16	1,012	6	277	121	2,579
Towner	3	147	----	----	14	385
Traill	3	248	24	980	97	339
Walsh	23	996	29	850	75	764
Ward	101	6,241	36	2,653	428	4,396
Wells	----	----	8	398	26	209
Williams	13	592	26	160	222	2,840

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Construction Statistics Division, State/County Permit Authorized Construction In Permit Issuing Places, 1986 Annual Data, photocopy.

* No data included in Construction Division Report.

Note: Some county totals may include data for less than 12 month period.
Detail may not add totals due to rounding.
Include Estimates with Imputation.

TABLE 10.06

PERMIT-AUTHORIZED RESIDENTIAL CONSTRUCTION BY TYPE OF DWELLING IN SELECTED PLACES BY NORTH DAKOTA COUNTY, 1986

County	Type of Dwelling						
	Single Family		Multi-Family			Total New Residential	
	Units	Cost (000)	Bldgs.	Units	Cost (000)	Units	Cost (000)
NORTH DAKOTA	874	$58,302	120	828	$24,321	1,702	$82,623
Adams	1	70	---	---	---	1	70
Barnes	4	286	1	6	540	10	826
Benson	---	---	---	---	---	---	---
Billings	---	---	---	---	---	---	---
Bottineau	4	247	---	---	---	4	247
Bowman	4	210	---	---	---	4	210
Burke	---	---	---	---	---	---	---
Burleigh	100	7,965	10	57	2,485	167	10,450
Cass	333	24,984	66	384	12,228	717	37,212
Cavalier	6	374	---	---	---	6	374
Dickey	---	---	---	---	---	---	---
Divide	4	308	---	---	---	4	308
Dunn	1	50	---	---	---	1	50
Eddy	---	---	---	---	---	---	---
Emmons	2	99	---	---	---	2	99
Foster	---	---	---	---	---	---	---
Golden Valley	---	---	---	---	---	---	---
Grand Forks	129	8,289	21	179	4,157	308	12,446
Grant	2	110	---	---	---	2	110
Griggs	1	52	---	---	---	1	52
Hettinger	---	---	---	---	---	---	---
Kidder	2	105	---	---	---	2	105
LaMoure	4	259	---	---	---	4	259
Logan	---	---	---	---	---	---	---
McHenry	---	---	---	---	---	---	---
McIntosh	5	255	---	---	---	5	255
McKenzie	7	269	---	---	---	7	269
McLean	12	616	---	---	---	12	616
Mercer	35	2,530	---	---	---	35	2,530
Morton	12	627	---	---	---	12	627

TABLE 10.06--Continued

County	Type of Dwelling						
	Single Family		Multi-Family			Total New Residential	
	Units	Cost (000)	Bldgs.	Units	Cost (000)	Units	Cost (000)
Mountrail	5	$290	---	---	$---	5	$290
Nelson	---	---	---	---	---	---	---
Oliver	1	65	---	---	---	1	65
Pembina	7	382	2	24	682	31	1,064
Pierce	3	130	2	16	498	19	628
Ramsey	18	861	2	22	530	40	1,391
Ransom	4	192	---	---	---	4	192
Renville	3	125	---	---	---	3	125
Richland	10	510	4	50	1,214	60	1,724
Rolette	5	179	---	---	---	5	179
Sargent	2	135	---	---	---	2	135
Sheridan	---	---	---	---	---	---	---
Sioux	---	---	---	---	---	---	---
Slope	NA	NA	NA	NA	NA	NA	NA
Stark	12	805	2	6	396	18	1,201
Steele	---	---	---	---	---	---	---
Stutsman	15	989	---	---	---	15	989
Towner	3	147	---	---	---	3	147
Traill	2	118	1	6	130	8	248
Walsh	9	590	2	10	246	19	836
Ward	89	4,522	7	68	1,599	157	6,121
Wells	---	---	---	---	---	---	---
Williams	10	556	---	---	---	10	556

TABLE 10.06--Continued

	Type of Dwelling			
	Mobile		Res. Garages & Carports	
	Units	Cost (000)	Units	Cost (000)
NORTH DAKOTA	261	$2,799	961	4,635
Adams	1	9	---	---
Barnes	2	23	27	89
Benson	---	---	---	---
Billings	---	---	---	---
Bottineau	---	---	15	57
Bowman	2	20	8	30
Burke	5	65	7	45
Burleigh	80	1,085	58	314
Cass	6	75	103	805
Cavalier	2	30	13	60
Dickey	---	---	15	12
Divide	---	---	1	4
Dunn	---	---	---	---
Eddy	---	---	3	12
Emmons	---	---	5	19
Foster	---	---	5	16
Golden Valley	---	---	2	6
Grand Forks	---	---	50	94
Grant	---	---	4	14
Griggs	1	15	9	210
Hettinger	1	30	4	6
Kidder	1	10	3	11
LaMoure	---	---	12	31
Logan	---	---	---	---
McHenry	1	12	3	11
McIntosh	2	30	10	40
McKenzie	---	---	2	10
McLean	2	27	16	55
Mercer	3	30	19	110
Morton	111	730	65	306

TABLE 10.06--Continued

County	Type of Dwelling			
	Mobile		Res. Garages & Carports	
	Units	Cost (000)	Units	Cost (000)
Mountrail	1	$17	15	55
Nelson	1	20	5	26
Oliver	---	---	3	7
Pembina	---	---	21	119
Pierce	---	---	10	29
Ramsey	2	23	30	131
Ransom	2	50	10	46
Renville	---	---	4	15
Richland	3	35	29	151
Rolette	---	---	6	19
Sargent	---	---	7	334
Sheridan	2	30	2	5
Sioux	4	46	---	---
Slope	NA	NA	NA	NA
Stark	5	40	24	85
Steele	---	---	3	19
Stutsman	1	23	42	206
Towner	---	---	5	17
Traill	---	---	14	78
Walsh	12	160	19	83
Ward	5	120	105	495
Wells	---	---	19	110
Williams	3	36	49	224

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Construction Statistics Division, State/County, Permit-Authorized Construction in Selected Permit-Issuing Places, North Dakota, 1986, Annual Data, photocopy.

* Deleted due to apparent error in data source.

Note: Some county totals may include data for less than 12 month period.
Details may not add to totals due to rounding.
Includes inputed as well as reported data.

TABLE 10.07

NEW NON-HOUSEKEEPING PERMIT-AUTHORIZED CONSTRUCTION BY TYPE IN SELECTED PERMIT-ISSUING PLACES BY NORTH DAKOTA COUNTY, 1986

County	Type of Construction										
	Hotels, Motels, Tourist Accom.			Amusement & Rec. Bldgs.		Churches & Other Rel. Bldgs.		Industrial Bldgs.		Parking Garages	
	Bldgs.	Units	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
NORTH DAKOTA	2	26	$395	6	$279	13	$1,338	71	$12,425	1	$14
Adams	---	---	---	---	---	---	---	---	---	---	---
Barnes	1	1	10	---	---	---	---	17	8,276	---	---
Benson	---	---	---	---	---	---	---	---	---	---	---
Billings	---	---	---	---	---	---	---	---	---	---	---
Bottineau	---	---	---	---	---	---	---	---	---	---	---
Bowman	---	---	---	---	---	---	---	---	---	---	---
Burke	---	---	---	---	---	---	---	1	4	---	---
Burleigh	---	---	---	---	---	---	---	2	175	---	---
Cass	---	---	---	1	15	2	323	12	1,545	---	---
Cavalier	---	---	---	---	---	---	---	1	20	---	---
Dickey	---	---	---	---	---	---	---	---	---	---	---
Divide	---	---	---	---	---	---	---	2	156	---	---
Dunn	---	---	---	---	---	---	---	---	---	---	---
Eddy	---	---	---	---	---	---	---	2	43	---	---
Emmons	---	---	---	---	---	---	---	---	---	---	---
Foster	---	---	---	1	25	---	---	---	---	---	---
Golden Valley	---	---	---	---	---	---	---	---	---	---	---
Grand Forks	---	---	---	2	197	2	204	8	422	---	---
Grant	---	---	---	---	---	---	---	---	---	---	---
Griggs	---	---	---	---	---	---	---	5	90	---	---
Hettinger	---	---	---	---	---	---	---	---	---	---	---
Kidder	---	---	---	---	---	---	---	---	---	---	---
LaMoure	---	---	---	---	---	---	---	1	150	---	---
Logan	---	---	---	---	---	---	---	---	---	---	---
McHenry	---	---	---	---	---	---	---	---	---	---	---

TABLE 10.07--Continued

County	Type of Construction										
	Hotels, Motels, Tourist Accomm.			Amusement & Rec. Bldgs.		Churches & Other Rel. Bldgs.		Industrial Bldgs.		Parking Garages	
	Bldgs.	Units	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
McIntosh	---	---	$---	---	$---	---	$---	1	650	---	$---
McKenzie	---	---	---	---	---	---	---	---	---	---	---
McLean	---	---	---	---	---	---	---	---	---	---	---
Mercer	---	---	---	---	---	1	---	---	---	---	---
Morton	---	---	---	---	---	---	160	2	70	---	---
Mountrail	---	---	---	---	---	---	---	---	---	---	---
Nelson	---	---	---	---	---	---	---	---	---	---	---
Oliver	---	---	---	---	---	---	---	---	---	---	---
Pembina	1	25	385	---	---	1	250	4	350	---	---
Pierce	---	---	---	---	---	---	---	---	---	---	---
Ramsey	---	---	---	---	---	2	59	---	---	1	14
Ransom	---	---	---	---	---	---	---	---	---	---	---
Renville	---	---	---	---	---	1	145	4	289	---	---
Richland	---	---	---	---	---	1	50	---	---	---	---
Rolette	---	---	---	---	---	---	---	2	325	---	---
Sargent	---	---	---	---	---	---	---	---	---	---	---
Sheridan	---	---	---	---	---	---	---	---	---	---	---
Sioux	---	---	---	1	10	1	20	---	---	---	---
Slope	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Stark	4	39	427	---	---	1	70	---	---	---	---
Steele	---	---	---	---	---	---	---	---	---	---	---
Stutsman	---	---	---	---	---	---	---	---	---	---	---
Towner	---	---	---	---	---	---	---	---	---	---	---
Traill	---	---	---	---	---	---	---	---	---	---	---
Walsh	---	---	---	1	32	---	---	6	347	---	---
Ward	---	---	---	---	---	---	---	---	---	---	---
Wells	---	---	---	---	---	---	---	1	103	---	---
Williams	---	---	---	---	---	1	57	---	---	---	---

TABLE 10.08

PERMIT-AUTHORIZED ADDITIONS AND ALTERATIONS TO BUILDING IN SELECTED PERMIT-ISSUING PLACES BY NORTH DAKOTA COUNTY, 1986

County	Houses & Apartments		Other Buildings	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)
NORTH DAKOTA	2,273	$14,737	1,250	$36,415
Adams	---	---	---	---
Barnes	8	41	16	382
Benson	---	---	---	---
Billings	---	---	---	---
Bottineau	14	89	10	18
Bowman	3	84	---	---
Burke	7	65	1	287
Burleigh	278	1,311	157	6,354
Cass	515	5,441	272	13,679
Cavalier	35	164	1	15
Dickey	13	55	35	43
Divide	---	---	---	---
Dunn	1	3	2	1
Eddy	1	16	3	11
Emmons	1	10	---	---
Foster	10	43	7	21
Golden Valley	5	11	---	---
Grand Forks	489	1,587	117	3,985
Grant	5	67	9	46
Griggs	4	11	---	---
Hettinger	12	77	6	3
Kidder	7	43	---	---
LaMoure	6	68	---	---
Logan	---	---	---	---
McHenry	3	17	---	---
McIntosh	36	50	6	130
McKenzie	4	28	3	5
McLean	10	93	11	143
Mercer	25	181	9	70
Morton	106	387	56	1,352

TABLE 10.08--Continued

County	Houses & Apartments		Other Buildings	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)
Mountrail	4	841	11	820
Nelson	1	1	6	152
Oliver	33	94	7	4
Pembina	44	201	17	73
Pierce	---	---	21	59
Ramsey	40	363	34	1,296
Ransom	36	179	39	41
Renville	7	68	6	24
Richland	33	197	48	493
Rolette	3	2	14	22
Sargent	8	65	6	4
Sheridan	4	9	3	1
Sioux	---	---	---	---
Slope	NA	NA	NA	NA
Stark	23	202	26	715
Steele	2	46	1	1
Stutsman	31	274	48	2,100
Towner	7	202	2	166
Traill	77	207	6	54
Walsh	33	246	23	435
Ward	197	1,936	126	1,965
Wells	6	97	1	2
Williams	86	365	87	2,251

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Construction Statistics Division, State/County, Permit-Authorized Construction in Selected Permit-Issuing Places, North Dakota, 1986 Annual Data, photocopy.

TABLE 10.09

FULL AND PART-TIME CONSTRUCTION EMPLOYMENT BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1967-1980

County	1969	1970	1975	1980	1981	1982	1983	1984
NORTH DAKOTA	11,706	13,487	18,194	21,683	20,488	21,536	23,538	20,087
Adams	67	(D)	87	114	106	114	108	95
Barnes	323	302	394	413	381	357	367	358
Benson	95	99	102	121	156	135	113	125
Billings	(D)	(D)	(L)	(D)	(D)	(D)	(D)	(D)
Bottineau	161	153	161	169	179	167	180	175
Bowman	59	(D)	127	(D)	(D)	104	115	112
Burke	62	38	43	45	49	47	54	54
Burleigh	1,157	(D)	1,881	2,443	2,032	1,964	2,109	1,960
Cass	2,404	2,705	3,039	3,220	2,914	2,686	2,986	3,320
Cavalier	141	1,472	331	109	110	125	135	131
Dickey	111	89	149	169	166	150	185	192
Divide	37	47	40	48	45	44	52	(D)
Dunn	49	49	38	123	173	266	137	133
Eddy	101	120	134	62	53	53	61	73
Emmons	87	83	101	156	140	201	108	105
Foster	123	119	164	152	119	124	119	110
Golden Valley	83	25	49	75	82	77	77	92
Grand Forks	910	1,101	1,554	1,689	1,638	1,555	1,622	1,644
Grant	35	45	64	44	41	50	55	52
Griggs	57	43	60	84	80	79	78	75
Hettinger	70	67	78	115	124	120	111	109
Kidder	57	55	48	55	40	42	48	56
LaMoure	101	113	130	118	112	104	119	120
Logan	37	41	51	67	62	59	64	59
McHenry	133	138	212	170	226	197	178	173
McIntosh	55	52	70	62	100	125	73	76
McKenzie	58	62	126	283	402	328	231	226
McLean	206	244	371	477	363	419	446	355
Mercer	152	131	659	2,408	2,015	3,493	5,883	2,600
Morton	323	370	742	877	754	725	720	672

TABLE 10.09--Continued

County	1969	1970	1975	1980	1981	1982	1983	1984
Mountrail	89	127	101	163	181	143	152	143
Nelson	97	97	166	110	136	99	91	94
Oliver	137	169	334	187	93	(D)	76	89
Pembina	191	195	398	195	213	221	265	256
Pierce	96	94	120	97	99	97	91	84
Ramsey	226	247	334	383	361	365	397	382
Ransom	82	83	99	152	152	243	142	135
Renville	37	34	56	42	41	40	42	49
Richland	(D)	(D)	580	436	445	424	442	512
Rolette	141	163	292	213	209	237	218	131
Sargent	71	58	98	105	98	120	120	142
Sheridan	(D)	46	84	52	43	47	59	47
Sioux	(L)	10	20	51	20	22	24	28
Slope	(L)	(L)	21	(L)	(L)	(L)	(D)	(D)
Stark	413	387	469	1,038	1,133	1,385	881	828
Steele	44	45	47	64	60	60	60	61
Stutsman	391	432	751	670	548	489	593	537
Towner	43	66	77	129	85	79	102	80
Traill	266	266	231	191	191	208	211	233
Walsh	260	288	505	394	413	375	395	365
Ward	947	921	1,757	1,707	1,509	1,404	1,485	1,467
Wells	181	121	156	132	133	138	164	184
Williams	353	320	487	1,076	1,468	1,227	949	908

(D) Not shown to avoid disclosure of confidential information.

(L) Less than 10 jobs.

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System.

11.00

BANKING, FINANCE, AND INSURANCE

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County	Type of Construction							
	Gasoline & Ser. Stat.		Hospitals & Other Instit.		Office, Bank, & Prof. Bldgs.		Pub. Works & Utilities Bldgs.	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
NORTH DAKOTA	15	$1,358	3	$580	28	$5,335	6	$1,608
Adams	1	26	---	---	---	---	---	---
Barnes	1	20	---	---	---	---	---	---
Benson	---	---	---	---	---	---	---	---
Billings	---	---	---	---	---	---	---	---
Bottineau	---	---	---	---	---	---	---	---
Bowman	---	---	---	---	---	---	---	---
Burke	---	---	---	---	---	---	---	---
Burleigh	2	130	---	---	5	779	---	---
Cass	1	300	---	---	9	2,076	1	40
Cavalier	---	---	---	---	---	---	---	---
Dickey	---	---	---	---	---	---	---	---
Divide	---	---	---	---	---	---	---	---
Dunn	---	---	---	---	---	---	---	---
Eddy	---	---	---	---	---	---	---	---
Emmons	1	70	---	---	---	---	---	---
Foster	---	---	---	---	---	---	---	---
Golden Valley	1	15	---	---	---	---	---	---
Grand Forks	2	132	1	146	5	571	1	1,360
Grant	1	27	---	---	---	---	---	---
Griggs	---	---	---	---	---	---	---	---
Hettinger	---	---	---	---	---	---	---	---
Kidder	---	---	---	---	---	---	---	---
LaMoure	---	---	---	---	---	---	---	---
Logan	---	---	---	---	---	---	---	---
McHenry	---	---	---	---	---	---	---	---

TABLE 10.07--Continued

County	Gasoline Ser. Stat. Bldgs.	Gasoline Ser. Stat. Cost (000)	Hospitals & Other Instit. Bldgs.	Hospitals & Other Instit. Cost (000)	Office, Bank, & Prof. Bldgs. Bldgs.	Office, Bank, & Prof. Bldgs. Cost (000)	Pub. Works & Utilities Bldg. Bldgs.	Pub. Works & Utilities Bldg. Cost (000)
McIntosh	---	$---	---	$---	---	$---	---	$---
McKenzie	---	---	---	---	---	---	---	---
McLean	1	35	---	---	---	---	---	---
Mercer	---	---	---	---	---	---	---	---
Morton	---	---	---	---	---	---	---	---
Mountrail	---	---	---	---	---	---	---	---
Nelson	---	---	---	---	---	---	---	---
Oliver	---	---	---	---	---	---	---	---
Pembina	1	32	---	---	---	---	---	---
Pierce	---	---	---	---	---	---	---	---
Ramsey	1	240	1	196	---	---	2	188
Ransom	---	---	---	---	---	---	---	---
Renville	---	---	---	---	---	---	---	---
Richland	---	---	---	---	2	79	---	---
Rolette	---	---	---	---	---	---	---	---
Sargent	---	---	---	---	3	330	1	5
Sheridan	---	---	---	---	---	---	---	---
Sioux	---	---	---	---	---	---	---	---
Slope	NA	NA	NA	NA	NA	NA	NA	NA
Stark	1	300	---	---	---	---	1	15
Steele	---	---	---	---	---	---	---	---
Stutsman	---	---	1	209	---	---	---	---
Towner	---	---	---	---	---	---	---	---
Traill	1	30	---	---	---	---	---	---
Walsh	---	---	---	---	---	---	---	---
Ward	---	---	---	---	3	1,483	---	---
Wells	---	---	1	175	1	16	---	---
Williams	1	50	---	---	---	---	---	---

TABLE 10.07--Continued

County	Type of Construction							
	Schools & Other Educ. Bldgs.		Stores & Other Merc. Bldgs.		Other Non-residential Bldgs.		Structures Other Than Bldgs.	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
NORTH DAKOTA	8	$1,479	60	$9,077	313	$3,949	208	$2,128
Adams	---	---	---	---	---	---	---	---
Barnes	---	---	3	223	4	2	6	138
Benson	---	---	---	---	2	129	---	---
Billings	---	---	---	---	---	---	---	---
Bottineau	---	---	---	---	1	7	---	---
Bowman	---	---	1	25	---	---	---	---
Burke	---	---	---	---	1	150	---	---
Burleigh	---	---	1	131	10	103	22	78
Cass	3	270	7	1,954	17	1,072	13	286
Cavalier	---	---	1	43	---	---	1	1
Dickey	---	---	---	---	5	2	---	---
Divide	---	---	---	---	1	12	3	23
Dunn	---	---	---	---	1	45	---	---
Eddy	---	---	---	---	---	---	---	---
Emmons	---	---	1	1,255	2	1	1	1
Foster	---	---	---	---	2	10	---	---
Golden Valley	---	---	1	2	2	61	---	---
Grand Forks	---	---	4	454	90	706	53	365
Grant	---	---	---	---	---	---	---	---
Griggs	---	---	1	60	---	---	---	---
Hettinger	---	---	---	---	---	---	---	---
Kidder	---	---	---	---	1	2	1	8
LaMoure	---	---	1	60	6	11	---	---
Logan	---	---	---	---	---	---	---	---
McHenry	---	---	---	---	3	1	---	---
McIntosh	---	---	---	---	1	586	1	40
McKenzie	---	---	---	---	7	3	9	9
McLean	---	---	---	---	17	22	4	1
Mercer	---	---	---	---	29	47	11	11
Morton	2	887	2	1,712	16	134	3	5

TABLE 10.07--Continued

County	Type of Construction							
	Schools & Other Educ. Bldgs.		Stores & Other Merc. Bldgs.		Other Non-residential Bldgs.		Structures Other Than Bldgs.	
	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)	Bldgs.	Cost (000)
Mountrail	---	$---	1	$23	4	$11	18	$16
Nelson	---	---	---	---	1	60	---	---
Oliver	---	---	---	---	---	---	---	---
Pembina	---	---	---	---	6	52	1	3
Pierce	---	---	---	---	---	---	1	12
Ramsey	---	---	2	76	21	26	3	156
Ransom	---	---	---	---	---	---	6	41
Renville	---	---	---	---	1	9	1	7
Richland	---	---	4	922	2	322	---	---
Rolette	1	306	3	116	4	74	---	---
Sargent	---	---	---	---	---	---	5	112
Sheridan	---	---	---	---	---	---	---	---
Sioux	---	---	---	---	---	---	---	---
Slope	NA	NA	NA	NA	NA	NA	NA	NA
Stark	---	---	2	163	11	17	3	11
Steele	---	---	---	---	---	---	2	250
Stutsman	---	---	---	---	5	69	---	---
Towner	---	---	---	---	---	---	---	---
Traill	1	1	3	660	7	14	12	275
Walsh	---	---	4	419	16	50	2	1
Ward	---	---	18	767	6	137	9	266
Wells	1	15	1	35	3	54	---	---
Williams	---	---	---	---	8	92	17	11

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Construction Statistics Division, State/County, Permit-Authorized Construction in Selected Permit-Issuing Places, North Dakota, 1986 Annual Data, photocopy.

Notes: Some county totals may include data for less than 12 month period.
Details may not add to totals due to rounding.
Includes inputed as well as reported data.

TABLE 11.01

NORTH DAKOTA COMMERCIAL BANKS, FEDERAL RESERVE MEMBERSHIP AND INSURANCE STATUS, SELECTED YEARS, 1940-1986

	Total Banking Offices	Insured				Not In-sured Total
		Total In-sured	Nat'l. Federal Reserve Member	State Federal Reserve Member	Non-Federal Reserve Member	
1940						
All Offices	184	171	45	---	126	13
Banks	163	150	40	---	105	13
Branches	21	21	---	---	21	---
1950						
All Offices	172	167	41	2	124	5
Banks	150	145	41	2	102	5
Branches	22	22	---	---	22	---
1960						
All Offices	185	182	40	3	139	3
Banks	156	153	38	2	113	3
Branches	29	29	2	1	26	---
1970						
All Offices	240	235	54	6	175	5
Banks	169	166	42	4	120	3
Branches	71	69	12	2	55	2
1979						
All Offices	298	295	85	6	204	3
Banks	175	172	41	3	128	2
Branches	123	123	44	3	76	0
1980						
All Offices	306	303	85	7	211	3
Banks	178	175	39	3	133	3
Branches	128	128	46	4	78	0
1986						
All Offices	304	300	82	8	210	4
Banks	180	176	44	3	129	4
Branches	124	124	38	5	81	0

SOURCE: Federal Deposit Insurance Corporation, Annual Reports, various years. Data for 1986 derived from FDIC data base, Washington, D.C..

TABLE 11.02

TOTAL ASSETS AND DEPOSITS OF COMMERCIAL BANKS* IN NORTH DAKOTA, SELECTED YEARS, 1935-1986

Year	Number of Banks	Total Assets	Total Deposits
1935	203	NA	73,126
1940	163	NA	97,642
1945	150	511,000	488,000
1950	150	601,649	563,699
1955	154	670,985	615,294
1960	156	839,141	758,803
1965	169	1,176,165	1,059,065
1970	169	1,747,703**	1,549,809**
1975	172	3,364,522**	2,935,227**
1976	171	3,595,674	3,196,353
1977	173	4,002,649	3,529,881
1978	NA	NA	NA
1979	175	4,870,638	4,156,568
1980	178	5,332,900	4,523,400
1981	175	5,225,112	4,575,926
1982	176	5,783,955	5,039,724
1983	177	6,335,700	5,511,700
1984	177	6,625,000	5,733,000
1985	177	6,854,183	6,004,582
1986	176	6,933,089	6,082,425

SOURCE: Federal Deposit Insurance Corporation, Annual Reports, various years; supplemental data for 1970 and 1975 from Bank of North Dakota Annual Reports and North Dakota Department of Banking and Financial Institutions.

* Insured and Non-Insured.

** Excludes data for one bank in liquidation.

TABLE 11.04

SELECTED BALANCE SHEET RATIOS OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1981-1986

	1981	1982	1983	1984	1985	1986
Percentage of Total Assets						
Cash Due from Banks	9.6	8.4	8.2	8.7	8.5[f]	9.9
U.S. Treasury Securities	8.8	9.2	13.2	5.6[b]	8.2	8.9
All Other Securities	27.6	21.8	20.1	30.3[c]	30.1	31.1
Loans & Discounts	50.0	50.2	50.7	51.2	48.8	45.9
Real Estate	12.4	11.6	11.9	13.0	12.6	13.2
Agriculture	15.0	15.5	15.1	14.5	13.0	11.4
Commercial/Industrial	14.6	14.9	15.7	14.4	13.5	12.2
Individuals	8.2	7.8	7.6	7.8	8.1	7.6
Others	0.5	0.5	0.5	1.9	0.6	0.5
Bank Premises & Fixed Assets	1.6	1.6	1.5	1.4	1.3	1.2
Other Assets	2.1	2.4	2.7	2.8	3.1	2.9
Percentage of Deposits						
Demand	21.2	18.4	16.1	16.1[d]	15.0	15.0
Time	58.1	58.2	83.9[a]	83.8[e]	85.0	85.0
Savings	20.7	23.4	----	----	----	----
Equity/Total Assets	8.1	7.9	8.0	8.1	8.1	8.1

SOURCE: FDIC Call Aggregate Books.

[a] Includes both time and saving.

[b] Federal funds sold only.

[c] Represents all securities.

[d] Non-interest bearing deposits hereafter.

[e] Interest-bearing deposits hereafter.

[f] Interest and non-interest bearing balances hereafter.

TABLE 11.06

SELECTED OPERATING RATIOS FOR INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1981-1986

	1981	1982	1983	1984	1985	1986
Rate of Return (%) on						
U.S. Treasury Securities	10.54%	12.22%	10.65%	7.65%[a]	6.54%	7.46%
Other Securities	16.23	12.63	7.22	10.46	10.06	8.71
Loans	14.63	15.05	12.62	12.99[b]	12.76	11.98
Percentage of Total Assets						
Operating Income	11.50	11.80	10.70	11.00	10.60	9.07
Salaries & Benefits	1.40	1.40	1.30	1.40	1.40	1.40
Income Before Taxes & Sec. Trans.	1.60	1.20	0.90	0.90	1.00	0.60
Income After Taxes & Before Sec. Gains or Losses	1.20	1.00	0.80	0.80	0.80	0.70
Net Income	1.20	0.90	0.80	0.80	0.80	0.50
Percentage of Equity Capital						
Income Before Taxes & Sec. Trans.	20.20	15.60	11.30	11.20	11.90	7.10
Income After Taxes & Before Sec. Trans.	15.40	12.50	10.20	10.10	10.50	8.10
Net Income	14.50	12.00	10.40	9.90	9.50	5.60
Dividends Paid	5.10	4.80	4.40	NA	6.10	1.60
Special Ratios (%)						
Service Charge/Demand Deposits	2.00	1.50	1.40	2.00[c]	2.10	2.10
Loan Reserves/Loans	0.41	0.93	1.80	1.30	1.90	2.90
Loan Losses/Loans	0.47	0.93	1.20	1.30	1.90	2.80
Loans/Deposits	57.94	58.00	58.53	59.11	55.70	52.29
Loans/Assets	51.42	50.00	50.76	51.15	48.79	45.87
Equity Capital/Assets	8.10	7.90	8.00	8.10	8.10	8.10

SOURCE: FDIC Call Aggregate Books.

[a] Federal funds sold.
[b] Loans and leases.
[c] Service charges as a part of non-interest bearing deposits.

TABLE 11.03

ASSETS AND LIABILITIES AND CAPITAL OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1970-1986 (Thousands of Dollars)

	1981	1982	1983	1984	1985	1986
Number of Banks	175	176	177	177	177	176
Total Assets	$5,225,112	$5,784,955	$6,355,700	$6,625,000	$6,854,183	$6,933,089
Cash Due From Banks	502,707	483,253	518,200	575,000	581,541[e]	684,693
U.S. Treasury Securities	458,989	531,833	838,100	369,000[b]	561,482	619,197
Securities of U.S. Gov't. Ag.	530,381	636,426	616,300	2,007,000[c]	2,060,980	2,159,574
Obligations of States & Polit. Subd.	598,715	618,075	627,300	---------	---------	---------
Other Bonds, Stocks, & Securities	10,476	8,708	3,800	---------	---------	---------
Loans & Lease Financing (Net)	2,620,466	2,912,289	3,237,900	3,389,000	3,344,317	3,180,292
Bank Premises & Fixed Assets	86,339	93,185	94,600	95,000	90,263	86,281
Other Assets	111,890	136,581	128,400	188,000	215,519	203,052
Total Liabilities	4,782,464	5,305,462	5,831,900	6,091,000	6,300,220	6,373,866
Total Deposits	4,575,926	5,039,724	5,511,700	5,733,000	6,004,582	6,082,425
Demand	970,757	927,079	887,000	925,000[d]	900,870	914,129
Time	2,659,668	2,934,548	---------	---------	---------	---------
Savings	945,503	1,178,097	4,624,800[a]	4,807,000	5,103,718	5,168,063
Reserve on Loan/ Subordinated Notes	46,401	48,954	52,100	44,000	52,129	66,617
Capital Accounts/ Equity Capital	422,812	459,203	506,400	534,000	553,961	559,223

SOURCE: FDIC Call Aggregate Books.

* Time and Saving deposits are given together. Reported as "interest-bearing" 1984. Reported as "non-interest bearing" after 1983.

[a] Federal funds after 1983 includes all securities after 1983 and time and saving deposits given together in source.

[b] All securities beginning in 1984.

[c] Federal funds sold.

d Non-interest bearing accounts after 1984. Demand deposits are the majority of this.

[e] Reported as non-interest and interest-bearing after 1984.

TABLE 11.05

INCOME AND EXPENSES OF INSURED COMMERCIAL BANKS IN NORTH DAKOTA, SELECTED YEARS, 1981-1986 (Thousands of Dollars)

	1981	1982	1983	1984	1985	1986
Total Operating Income	$599,799	$685,266	$679,600	$729,258	$725,485	$674,361
Income on Loans & Leases	376,562	420,310	408,000	440,560	426,825	380,965
Interest on U.S. Treasury Securities	100,583	137,266	154,900	28,256[a]	36,698	46,167
Other Securities	82,495	81,797	74,100	210,131[b]	205,984	188,000
Trust Department Income (Fiduciary)	1,865	2,151	2,700	NA	NA	NA
Service Charges on Deposits	10,438	9,862	12,300	18,585	18,859	19,309
All Other Income	27,858	33,643	27,600	31,718	13,578	39,920
Total Operating Expense	514,408	613,507	622,600	623,937	673,009	663,145
Salaries & Employee Benefits	73,493	81,454	85,100	90,641	93,996	93,674
Interest on Deposits	350,664	409,989	403,300	429,425	402,726	357,272
Interests on Borrowed Funds	15,135	19,570	4,500	17,695	16,336	15,287
Interest on Notes & Debentures	1,856	1,761	1,500	1,474	1,430	1,136
Occupancy & Fixed Expense	18,066	22,042	24,400	25,754	29,381	29,195
Provision for Loan Loss	10,783	27,009	38,600	45,612	62,913	91,018
Other Expenses	44,484	51,680	57,500	58,948	66,227	75,563
Operating Income	85,392	71,520	57,000	105,321	52,476	11,216
Income Tax (Refund)	17,879	12,423	5,300	5,558	7,549	-5,651
Gross Security Gain or Loss	-6,254	-4,285	1,000	-1,537	6,860	14,175
Net Income	61,262	54,918	52,600	52,774	52,512	31,272
Dividends on Stock	21,498	22,101	52,500	NA	33,540	9,087

SOURCE: FDIC Call Aggregate Books.

[a] Interest on Federal funds sold hereafter.

[b] All securities beginning in 1984.

TABLE 11.07

SUMMARY INFORMATION FOR BANKS IN STATE OF NORTH DAKOTA

	AVERAGE OF ALL BANKS IN STATE					BANKS WITH ASSETS $MILLION 12/31/86		
December 31	1986	1985	1984	1983	1982	0-25	25-100	100+
Total Assets ($Millions)	6,933	6,854	6,625	6,356	5,785	1,382	3,460	2,091
Net Income ($Millions)	31	52	53	52	54	6	22	4
Number of Banks in Tabulation	176	177	177	177	176	86	77	13
EARNINGS AND PROFITABILITY								
Net Int Inc (TE) to Avg Assets	4.43	4.68	4.61	4.72	5.05	4.48	4.44	4.07
+ Non-int Inc to Avg Assets	0.54	0.48	0.49	0.42	0.41	0.49	0.53	0.96
- Overhead Exp to Avg Assets	2.91	2.85	2.86	2.86	2.91	3.03	2.72	3.19
- Prov for Ln/Ls Loss to Av Ast	1.06	0.74	0.51	0.38	0.35	0.99	1.05	1.59
= Pretax Operating Income (TE)	1.02	1.49	1.65	1.85	2.15	0.82	1.38	0.26
+ Securities Gains (Losses)	0.18	0.06	0.00	0.00	-0.01	0.18	0.20	0.09
= Pretax Net Oper Inc (TE)	1.20	1.59	1.60	1.87	2.14	1.04	1.51	0.47
Net Oper Inc to Avg Assets	0.73	0.88	0.93	1.04	1.22	0.74	0.81	0.16
Adj Net Oper Inc to Avg Assets	0.82	0.97	1.04	1.11	1.26	0.79	0.90	0.52
Net Income to Avg Assets	0.73	0.89	0.93	1.05	1.22	0.76	0.81	0.16
Int Inc (TE) to Avg Earn Assets	10.86	12.03	12.69	12.63	13.96	10.90	10.87	10.56
Int Expense to Avg Earn Assets	6.01	6.91	7.67	7.48	8.43	5.98	6.04	6.04
Net Int Inc-Te to Av Earn Assets	4.85	5.13	5.04	5.15	5.53	4.92	4.83	4.52
LOAN & LEASE LOSSES AND RESERVES								
Net Loss to Avg Tot Loan & Lease	2.10	1.41	0.95	0.71	0.64	2.11	2.07	2.24
Earnings Coverage of Net Loss (X)	2.57	4.27	5.31	7.30	10.95	2.30	3.00	1.83
Loss Reserve to Net Losses (X)	1.29	1.52	1.56	2.68	2.71	1.15	1.40	1.44
Loss Resv to Tot Loans & Lease	1.80	1.44	1.14	1.02	0.97	1.82	1.73	2.15
LIQUIDITY AND RATE SENSITIVITY								
Volatile Liability Dependence	-24.97	-21.04	-17.57	-15.60	-16.62	-31.25	-21.15	-6.45
Net Loans & Leases to Assets	41.68	44.44	46.80	46.97	46.86	39.73	41.84	53.52

TABLE 11.07--Continued

	AVERAGE OF ALL BANKS IN STATE					BANKS WITH ASSETS $MILLION (12/31/86)		
December 31	1986	1985	1984	1983	1982	0-25	25-100	100+
CAPITALIZATION								
Member Prim Cap to Avg Assets	9.69	9.56	9.52	9.34	9.08	10.02	9.55	8.41
Nonmember Prim Cap to Avg Assets	9.69	9.56	9.52	9.34	9.08	10.01	9.55	8.41
Cash Dividends to Net Income	48.24	49.37	46.70	40.69	37.67	46.22	50.43	48.82
Ret Earns to Avg Total Equity	3.18	4.50	5.44	6.74	8.59	3.61	3.96	-3.92
GROWTH RATES								
Assets	2.18	4.54	5.07	9.15	10.73	2.39	2.53	-1.34
Total Equity Capital	3.68	4.86	6.52	9.68	10.10	4.49	4.04	-3.44
Core Deposits	3.01	4.69	4.56	9.35	9.75	3.06	2.88	3.52
Volatile Liabilities	-1.42	13.94	22.02	10.49	36.76	2.49	-2.81	-17.63
% NON-CURRENT LOANS & LEASES								
Total Lns & Leases-90+ Days P/D	1.60	1.65	1.83	1.74	1.75	2.09	1.20	0.89
-Nonaccrual	2.80	2.22	1.37	0.88	0.48	2.50	2.91	4.10
-Total	4.60	4.14	3.44	2.79	2.44	4.89	4.22	4.99

SOURCE: FDIC Call Aggregate Books.

TABLE 11.08

AMOUNT OF DEPOSITS IN ALL INSURED AND REPORTING NON-INSURED COMMERCIAL BANKS BY COUNTY, JUNE 30, 1986

County	Banks	Banking Offices	Total Deposits (000)
Adams	2	4	$38,658
Barnes	6	6	146,329
Benson	3	4	45,350
Billings	1	1	14,810
Bottineau	5	8	126,338
Bowman	2	5	75,749
Burke	3	5	39,549
Burleigh	7	16	421,292
Cass	17	25	814,210
Cavalier	3	4	89,772
Dickey	2	2	58,344
Divide	2	4	52,199
Dunn	2	2	30,097
Eddy	2	2	20,282
Emmons	3	3	64,077
Foster	2	5	63,947
Golden Valley	2	2	37,641
Grand Forks	8	15	450,162
Grant	3	3	27,166
Griggs	3	4	56,537
Hettinger	3	3	44,073
Kidder	2	2	37,007
LaMoure	5	6	52,870
Logan	4	4	51,871
McHenry	4	8	55,481
McIntosh	2	3	54,794

TABLE 11.08--Continued

County	Banks	Banking Offices	Total Deposits (000)
McKenzie	2	3	$63,981
McLean	8	8	117,062
Mercer	3	6	88,455
Morton	6	7	81,583
Mountrail	3	5	83,453
Nelson	6	6	87,539
Oliver	1	1	9,181
Pembina	7	9	121,143
Pierce	2	2	72,702
Ramsey	6	7	131,351
Ransom	3	5	74,146
Renville	2	3	20,394
Richland	6	8	155,029
Rollette	3	4	67,838
Sargent	2	4	46,916
Sheridan	2	2	24,632
Sioux	1	1	422
Stark	6	9	181,744
Steele	3	3	40,318
Stutsman	7	9	202,620
Towner	2	4	54,376
Traill	6	7	116,400
Walsh	6	12	181,673
Ward	6	13	429,276
Wells	5	8	92,706
Williams	5	10	276,705
State	178	302	5,890,453

SOURCE: FDIC, *Data Book: Operating Banks and Branches, June 30, 1986.* Volume 15.

TABLE 11.10

INCOME AND EXPENSES FOR THE BANK OF NORTH DAKOTA, SELECTED YEARS, 1982-1985 (Thousands of Dollars)

	1982	1983	1984	1985
INTEREST INCOME				
Interest and Fees on Loans	$39,752	$31,358	$27,698	$24,487
Interest on Investments				
U.S. Government Obligations	8,500	10,556	11,074	20,648
Federal Agency Obligations	8,779	9,696	8,500	6,209
Money Market Investments	2,405	1,025	430	354
State, Municipal & Other	1,384	1,204	820	849
Interest on Federal Funds Sold	20,952	29,015	29,446	23,398
Total Interest Income	81,772	82,855	77,974	75,946
INTEREST EXPENSES				
Interest on Deposits	47,611	35,556	36,124	40,082
Interest on Fed. Funds Purchased	13,752	27,923[1]	21,023[1]	12,878[1]
Interest on Funds Borrowed	8,317	4,212[2]	3,148[2]	2,806[2]
Total Interest Expenses	69,680	67,692	60,296	55,765
Net Interest Income	12,092	15,163	17,678	20,181
SERVICE FEES & OTHER INCOME	3,365[4]	2,056	3,971[4]	2,636
OPERATING EXPENSES				
Salaries & Benefits	2,046	2,123	2,465	2,230
Fees & Services	749	913	------	------
Data Processing--Rentals	626	778	780	562
Supplies & Materials	136	157	------	------
Provision for Loan Losses	4,586	2,999	8,780	6,893
Depreciation	115	126	126	168
Operating Expenses	8,257	7,096	12,918[3]	11,550[3]
Security Gains (Losses)	624	1,060	587	1,068
Net Income	7,824	11,183	9,318	12,335

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[1] Includes securities sold under repurchase agreements.

[2] Interest on long term bonds only.

[3] Includes fees & services, supplies & materials, and others.

[4] Includes extraordinary gains.

TABLE 11.11

CHARACTERISTICS OF CREDIT UNIONS IN NORTH DAKOTA, SELECTED YEARS, 1950-1986

Year	Number of League Members	Member-ship	Total Assets	Total Shares & Deposits	Total Loans
1950	93	16,034	$3,864,237	$4,531,401	$2,813,523
1955	108	23,626	8,352,542	7,708,929	5,758,046
1960*	123	33,031	14,331,000	12,912,000	12,364,000
1965*	127	47,141	28,357,000	23,475,000	22,099,000
1970	110	62,910	45,732,000	34,360,000	39,289,000
1975	102	95,693	109,882,087	100,277,378	89,592,861
1976	100	104,421	136,094,936	122,432,239	115,915,779
1977	96	113,752	170,925,530	152,281,625	143,590,335
1978	93	121,625	201,011,749	171,546,234	165,605,146
1979	93	126,667	234,329,711	207,104,964	179,142,727
1980	88	130,552	295,591,401	273,982,726	172,317,792
1981	86	127,364	312,725,910	290,033,217	167,974,860
1982	86	129,634	348,677,746	326,963,209	164,058,852
1983	86	137,538	390,442,458	357,258,422	181,435,279
1984	86	141,712	426,663,900	395,172,670	206,082,560
1985	86	147,278	483,113,836	450,692,404	218,108,758
1986	84	150,477	576,607,723	530,756,570	242,670,267

SOURCE: North Dakota Credit League Yearbook, various years, additional data supplied by the North Dakota Credit Union.

* Does not include non-affiliated credit unions.

TABLE 11.12

MORTGAGES OWNED BY LIFE INSURANCE COMPANIES IN NORTH DAKOTA, SELECTED YEARS, 1950-1984 (Thousands of Dollars)

Year	Farm	Nonfarm F.H.A.	Nonfarm V.A.	Nonfarm Conventional	Total
1950	$7,649	$617	$43	$7,155	$15,464
1955	11,210	1,090	1,022	19,894	33,216
1960	12,937	1,998	2,053	28,811	45,801
1965	22,160	7,362	4,916	38,516	72,954
1970	24,400	6,200	4,000	35,100	69,700
1975	21,300	3,100	2,600	57,200	84,200
1976	23,700	2,800	2,300	65,600	94,400
1977	45,400	2,600	1,900	83,100	133,000
1978	60,100	2,900	1,600	99,500	164,100
1979	NA	NA	NA	NA	NA
1980	68,400	6,400	1,200	161,600	237,600
1981	66,800	6,000	1,100	153,800	227,700
1982	64,900	156,000	*	*	220,900
1983	61,900	158,700	*	*	220,600
1984	57,800	175,700	*	*	233,500

SOURCE: American Council of Life Insurance, Life Insurance Factbook, various years.

* Beginning in 1982, Nonfarm F.H.A., Nonfarm V.A., and Nonfarm Conventional were grouped into one category, Nonfarm F.H.A..

TABLE 11.13

LIFE INSURANCE POLICIES IN FORCE IN NORTH DAKOTA BY TYPE OF POLICY, SELECTED YEARS, 1965-1984

Year	Ordinary		Group	
	Number (Thousands)	Amount (Millions)	Number (Thousands)	Amount (Millions)
1965	333	$1,458	138	$536
1970	347	2,031	174	949
1975	409	3,351	267	1,866
1976	412	3,770	258	2,065
1977	428	4,235	293	2,308
1978	446	4,898	288	2,449
1979	459	5,678	315	3,015
1980	469	6,325	335	3,425
1981	479	7,351	352	4,858
1982	465	8,379	378	5,346
1983	437	9,310	398	5,834
1984	423	10,403	390	5,953

Year	Industrial		Credit	
	Number (Thousands)	Amount (Millions)	Number (Thousands)	Amount (Millions)
1965	6	$3	197	$264
1970	6	3	236	370
1975	5	3	243	485
1976	5	3	209	579
1977	4	2	227	613
1978	4	2	227	656
1979	4	3	221	656
1980	4	3	232	730
1981	3	3	241	744
1982	3	3	212	829
1983	3	3	210	867
1984	3	3	194	818

Year	Total	
	Number (Thousands)	Amount (Millions)
1965	674	$2,261
1970	763	3,353
1975	924	5,705
1976	884	6,417
1977	942	7,158
1978	965	8,005
1979	999	9,352
1980	1,040	10,483
1981	1,075	12,956
1982	1,058	14,557
1983	1,048	16,014
1984	1,010	17,177

SOURCE: American Council of Life Insurance, Life Insurance Factbook, various years.

TABLE 11.14

LIFE INSURANCE PREMIUMS, ANNUITIES AND CLAIMS PAID IN NORTH DAKOTA, SELECTED YEARS, 1965-1985

Year	Life Premiums Written	Life Annuities	Life Claims Paid
1965	$36,982,239	$2,481,129	$18,650,866
1970	48,826,858	3,192,345	18,225,902
1975	70,686,042	12,142,775	19,001,521
1976	78,530,140	15,137,267	19,961,726
1977	85,032,878	14,675,205	19,488,833
1978	92,622,158	13,955,067	25,622,158
1979	101,678,884	17,737,118	27,907,704
1980	105,933,061	22,471,358	31,489,457
1981	114,440,072	27,914,698	28,260,306
1982	120,736,215	40,638,364	31,683,146
1983	134,496,625	43,465,735	33,798,200
1984	144,340,814	62,134,936	39,138,518
1985	171,858,708	67,868,372	44,509,043

SOURCE: North Dakota Insurance Dept., Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.15

FIRE AND CASUALTY PREMIUMS AND CLAIMS INCURRED IN NORTH DAKOTA, SELECTED YEARS, 1965-1985

Year	Fire & Casualty Premiums Earned	Fire & Casualty Claims Incurred
1965	$50,891,006	$27,157,547
1970	76,043,673	36,740,615
1975	134,275,975	82,276,030
1976	159,847,512	94,326,083
1977	185,346,051	121,426,409
1978	208,500,779	110,970,178
1979	244,728,191	124,362,283
1980	255,209,073	174,411,185
1981	280,544,445	150,288,765
1982	322,331,993	190,406,436
1983	314,735,978	196,960,830
1984	335,618,646	207,886,261
1985	362,334,523	252,961,088

SOURCE: North Dakota Insurance Dept., Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.16

FIRE AND EXTENDED COVERAGE PREMIUMS AND CLAIMS PAID IN NORTH DAKOTA BY THE STATE FIRE AND TORNADO FUND, SELECTED YEARS, 1965-1985

Year	Fire & EC Premiums	Fire & EC Claims Paid
1965	$605,205	$289,567
1970	1,054,227	850,211
1975	37,048	245,859
1976	1,366,117	899,000
1977	96,263	676,261
1978	1,032,787	480,912
1979	1,027,058	914,920
1980	1,152,120	1,115,341
1981	1,232,667	2,048,626
1982	1,319,781	605,392
1983	1,164,210	468,303
1984	919,015	882,045
1985	950,753	656,563

SOURCE: North Dakota Insurance Dept., State Fire and Tornado Fund, Biennial Statements and Statistical Records, various years.

TABLE 11.17

ACCIDENT AND HEALTH PREMIUMS AND CLAIMS EARNED IN NORTH DAKOTA BY LIFE INSURANCE COMPANIES, SELECTED YEARS, 1965-1985

Year	Premiums	Claims Incurred
1965	$19,623,316	$13,610,011
1970	23,310,699	17,150,700
1975	30,047,269	20,760,216
1976	41,614,976	29,117,021
1977	42,933,999	29,003,691
1978	40,076,394	33,357,691
1979	54,530,987	36,111,206
1980	54,906,105	40,770,932
1981	59,950,036	40,020,291
1982	66,213,640	46,193,042
1983	77,106,201	79,212,237
1984	76,667,124	49,037,437
1985	80,099,416	52,730,626

SOURCE: North Dakota Insurance Dept., Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.18

PREMIUMS AND CLAIMS PAID: BLUE CROSS AND BLUE SHIELD OF NORTH DAKOTA, SELECTED YEARS, 1965-1984

Year	Premiums Earned	Claims Incurred
1965	$14,057,727	$13,053,697
1970	30,370,623	20,442,514
1975	52,014,218	53,350,479
1976	70,017,081	65,311,033
1977	80,105,991	75,542,739
1978	98,401,721	84,444,320
1979	109,395,686	95,002,843
1980	120,357,641	119,958,586
1981	140,770,332	135,777,663
1982	163,558,720	152,075,623
1983	191,011,988	176,657,388
1984	208,205,705	183,194,114

SOURCE: North Dakota Insurance Dept., Statistical Report of Premiums and Losses of Insurance Companies, various years.

TABLE 11.19

AVERAGE COST PER HOSPITAL PATIENT DAY, AVERAGE STAY AND AVERAGE COST PER STAY: THE UNITED STATES, NORTH DAKOTA AND SELECTED MIDWEST STATES, 1980-1984

	Average Cost Per Patient Day			Average Length of Stay (Days)		
	1980	1983	1984	1980	1983	1984
U.S.	$245.60	$369.49	$411.10	7.6	7.6	7.3
N.D.	177.10	270.16	296.93	8.7	8.6	9.0
S.D.	189.60	244.24	267.45	6.7	8.6	8.6
Neb.	197.40	278.94	301.67	7.9	8.6	8.5
Mont.	160.20	258.60	284.14	8.3	8.5	8.5
Wyo.	242.80	348.73	364.61	4.9	5.6	5.8
Minn.	230.10	298.65	335.72	9.0	9.2	8.9
Iowa	199.30	310.44	340.36	7.4	7.7	7.6

	Average Cost Per Patient Stay		
	1980	1983	1984
U.S.	$1,866.60	$2,789.18	$2,995.38
N.D.	1,540.80	2,319.56	2,671.41
S.D.	1,270.30	2,098.47	2,283.58
Neb.	1,538.10	2,393.73	2,569.80
Mont.	1,329.70	2,172.15	2,386.99
Wyo.	1,189.70	1,935.14	2,104.48
Minn.	1,827.90	2,743.44	2,951.51
Iowa	1,474.80	2,404.36	2,586.67

SOURCE: Health Insurance Institute, Source Book of Health Insurance Data, various years.

12.00

MANUFACTURING

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TABLE 11.09

ASSETS AND LIABILITIES FOR THE BANK OF NORTH DAKOTA, SELECTED YEARS, 1970-1985 (Thousands of Dollars)

	1975	1980	1981	1982	1983	1984	1985
Total Assets	$401,435	$704,967	$853,391	$861,966	$1,029,670	$829,623	$980,348
Cash and Due from Banks	26,751	44,285	60,812	52,247	65,136	55,949	83,606
U.S. Gov't. Securities	38,788	73,113	75,401	97,898	86,643	160,028	300,934
Federal Agencies Securities	56,024	64,475	84,334	79,588	98,329	63,511	66,400
State & Municipal Securities	14,760	14,118	16,151	18,397	8,095	8,898	20,353
Other Securities	116,581	36,011	3,838	35,482	3,278	3,192	3,228
Federal Funds Sold	22,485	135,000	215,625	232,516	464,380	262,355	255,530
Loans	119,030	327,306	384,449	329,657	287,297	270,490	243,233
Bank Premises & Equipment	889	1,425	1,458	1,404	1,447	1,361	1,497
Other Assets/Int. Due	6,128	9,235	11,322	17,777	18,064	9,524	11,933
Total Liabilities	376,007	663,633	812,223	816,724	983,245	774,034	921,424
Demand	86,443	105,304	100,094	107,490	90,394	90,483	103,798
Time & Savings	225,277	330,220	490,698	421,154	385,453	500,317[1]	525,073[1]
Total Other Liabilities	64,287	228,110	221,431	288,079	507,398	183,234	292,553
To State General Fund	12,000	1,500	3,750	1,250	3,750	1,250	5,250
Reserves	2,040	(2)	(2)	(2)	(2)	(2)	(2)
Capital Funds	23,388	41,334	41,168	45,243	46,425	55,589	58,924

SOURCE: Bank of North Dakota, Annual Reports, various years.

[1] Includes Now Accounts.

[2] Changed from modified to full accrual method.

TABLE 12.01

TOTAL NUMBER OF MANUFACTURING EMPLOYEES, NORTH DAKOTA AND OTHER STATES, SELECTED YEARS 1970-1984

(Thousands of Employees)

State	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
NORTH DAKOTA	10.3	11.9	12.3	14.1	14.2	13.8	14.1	16.2	16.6	14.8	15.2	13.8	15.2
South Dakota	17.2	20.0	20.9	21.6	21.8	22.5	23.9	26.0	27.3	24.5	24.9	23.5	26.5
Minnesota	301.2	323.5	334.7	320.9	305.5	331.7	365.5	390.0	392.7	375.0	359.6	344.1	368.3
Montana	20.1	21.6	20.9	20.5	21.7	23.5	25.3	26.2	25.0	22.6	19.7	20.5	21.5
Wyoming	6.0	7.5	7.0	7.0	7.0	8.5	8.6	10.0	10.0	10.3	10.1	8.3	7.9
Nebraska	81.3	88.6	90.4	87.3	87.8	87.7	92.5	99.5	100.8	97.9	94.5	86.4	90.5

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years and County Business Patterns, 1984.

TABLE 12.02

TOTAL ANNUAL PAYROLL FOR ALL MANUFACTURING EMPLOYEES, SELECTED OTHER STATES, SELECTED YEARS, 1970-1984
(Millions of Dollars)

State	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
NORTH DAKOTA	$73.5	$96.2	$106.0	$119.6	$139.4	$162.3	$181.3	$212.1	$222.3	$242.0	$245.3	$251.5	$276.5
South Dakota	120.7	159.2	177.2	189.4	216.5	251.4	301.3	345.5	367.2	388.7	398.2	416.7	448.3
Minnesota	2,447.7	3,203.0	3,579.9	3,781.0	3,892.8	4,693.0	5,385.2	6,373.5	6,765.8	7,429.6	7,643.8	8,092.5	9,116.2
Montana	151.6	195.1	206.8	226.7	269.8	311.8	361.0	404.3	406.4	411.8	381.4	429.0	456.9
Wyoming	45.7	61.7	68.3	77.8	82.9	110.9	123.8	165.0	146.1	190.6	184.0	170.7	172.1
Nebraska	581.2	769.1	835.1	890.8	986.6	1,075.4	1,231.6	1,419.8	1,546.5	1,681.4	1,685.2	1,685.9	1,827.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years and County Business Patterns, 1984.

TABLE 12.03

VALUE OF MANUFACTURING INDUSTRY SHIPMENTS, NORTH DAKOTA AND SELECTED OTHER STATES, 1970-1985*

(Millions of Dollars)

State	1970	1971	1972	1973	1974	1975	1976	1977	1978	1980	1981	1982	1983	1984	1985
NORTH DAKOTA	$494.3	$536.1	$593.9	$773.2	$982.1	$1,128.3	$1,236.2	$1,312.9	$1,376.0	$2,105.7	$2,362.2	$2,465.0	$2,372.5	$2,590.7	2,492.7
South Dakota	780.0	741.3	936.6	1,274.9	1,389.0	1,494.4	1,608.5	1,793.7	2,154.2	2,720.0	2,925.7	3,005.2	3,151.8	3,511.8	3,584.7
Minnesota	10,963.2	11,222.2	12,901.3	15,279.0	18,221.7	18,646.4	20,439.5	23,021.2	25,838.6	32,963.3	35,504.4	35,321.3	37,433.5	42,760.1	42,532.4
Montana	1,217.3	1,232.0	1,296.7	1,793.7	2,217.4	2,202.0	2,524.9	2,669.9	3,070.5	4,710.3	4,289.6	3,668.2	3,696.8	3,797.0	3,509.9
Wyoming	331.5	362.6	451.0	547.6	712.6	846.3	833.2	1,287.8	1,402.6	2,819.2	3,163.5	2,558.4	2,158.7	2,410.5	2,310.9
Nebraska	4,419.4	4,826.6	5,898.4	6,954.9	7,949.3	8,393.4	8,773.3	8,713.4	10,572.1	13,579.6	15,412.1	15,143.2	13,955.1	15,064.4	15,215.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Data not available for 1979.

TABLE 12.04

VALUE ADDED BY MANUFACTURING, NORTH DAKOTA AND SELECTED OTHER STATES, SELECTED YEARS 1970-1985*

(Millions of Dollars)

State	1970	1971	1972	1973	1974
NORTH DAKOTA	$188.8	$189.6	$200.7	$330.1	$325.9
South Dakota	230.2	226.2	284.5	419.8	385.3
Minnesota	4,757.8	4,827.2	5,523.8	6,704.1	7,640.2
Montana	357.1	330.4	462.5	515.2	610.6
Wyoming	104.3	119.4	143.9	171.0	233.3
Nebraska	1,497.0	1,594.1	1,733.4	1,989.8	2,253.0

State	1975	1976	1977	1978	1982
NORTH DAKOTA	$323.7	$387.0	$473.3	$485.1	$652.1
South Dakota	421.1	493.9	611.6	726.1	110.2
Minnesota	7,356.9	8,473.0	9,605.2	10,908.1	15,366.9
Montana	531.6	771.1	802.2	850.6	713.5
Wyoming	269.2	279.0	380.8	425.6	407.7
Nebraska	2,384.5	2,692.1	2,867.1	3,249.7	4,444.5

State	1983	1984	1985
NORTH DAKOTA	$675.8	$754.0	$736.0
South Dakota	1,263.1	1,342.5	1,411.6
Minnesota	16,563.9	19,267.4	19,397.0
Montana	751.7	1,023.8	866.6
Wyoming	308.4	498.0	466.9
Nebraska	4,532.6	5,146.6	5,343.4

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufacturers, various years.

* Data not available for 1979-1981.

TABLE 12.05

NEW CAPITAL EXPENDITURES IN MANUFACTURING, NORTH DAKOTA AND SELECTED OTHER STATES, 1970-1985*
(Millions of Dollars)

State	1970	1971	1972	1973	1974	1975	1976	1977	1978	1982	1983	1984	1985
NORTH DAKOTA	$10.1	$113.3	$13.3	$23.8	$27.8	$23.2	$54.9	$53.0	$58.6	$101.1	$57.4	$58.8	$74.9
South Dakota	12.3	13.5	20.1	32.3	30.7	36.5	48.8	36.7	40.1	62.3	83.5	91.8	83.2
Minnesota	316.4	271.1	305.5	330.5	408.7	487.6	494.9	576.4	788.2	1,193.0	1,069.4	1,549.3	1,487.8
Montana	42.3	50.4	75.8	66.3	99.8	76.3	85.6	97.8	130.6	74.6	62.4	74.2	63.7
Wyoming	4.7	6.3	23.4	15.6	17.2	21.2	30.5	36.2	53.5	49.8	44.0	31.9	78.5
Nebraska	83.0	86.5	102.3	108.5	143.3	160.8	167.5	175.1	219.5	245.3	199.9	269.3	292.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Data not available for 1979-1981.

TABLE 12.07

NUMBER OF ESTABLISHMENTS, NUMBER OF ALL EMPLOYEES AND TOTAL PAYROLL IN TWO-DIGIT MANUFACTURING INDUSTRIES FOR NORTH DAKOTA, 1984

SIC Code	Industries	Establishments	Employees	Payroll ($1,000)
	Total Manufacturing	581	15,221	276,534
20	Food & Kindred Products	87	4,397	74,429
23	Apparel & Other Textile Products	10	777	11,429
24	Lumber & Wood Products	26	298	5,324
25	Furniture & Fixtures	11	222	2,999
26	Paper & Allied Products	3	48	962
27	Printing & Publishing	154	2,415	33,227
28	Chemicals & Allied Products	18	249	5,292
29	Petroleum & Coal Products	4	(C)	(D)
30	Rubber & Misc. Plastics Products	8	222	2,904
32	Stone, Clay & Glass Products	66	505	12,463
34	Fabricated Metal Products	31	397	6,711
35	Machinery, Except Electrical	108	3,337	70,620
36	Electric & Electronic Equipment	5	(F)	(D)
37	Transportation Equipment	13	868	17,923
38	Instruments & Related Products	4	(B)	(D)
39	Misc. Manufacturing Industries	24	416	6,598
	Administrative & Auxiliary	9	51	1,227

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, County Business Patterns, 1984.

Note: B: 20-99; C:100-249; D: deleted; F: 500-999.

3

TABLE 12.06

LABOR COSTS, NEW CAPITAL EXPENDITURES, ASSETS, AND RENTAL PAYMENTS OF NORTH DAKOTA MANUFACTURING ESTABLISHMENTS, SELECTED YEARS, 1970-1985* (Millions of Dollars)

Item	1970	1971	1974	1975	1976	1978	1982	1983	1984	1985
Labor Costs, Total	81.2	78.4	119.8	136.5	160.0	213.3	295.3	306.3	313.5	320.5
Payroll	73.5	70.3	106.0	119.6	139.4	181.3	245.6	253.1	258.2	264.6
Soc. Sec. and Other Required Payments	4.9	4.3	7.6	9.1	12.4	15.0	21.9	23.7	24.3	24.7
Employer Payments for Other Programs	2.8	3.4	6.2	7.7	8.3	17.0	27.8	29.5	31.0	31.2
Expenditures for New Plant and Equipment, Total	10.1	11.3	27.8	23.2	54.9	58.6	101.1	57.4	58.8	74.9
New Structures and Additions to Plant	4.7	3.5	15.0	5.5	17.3	13.5	15.0	15.5	12.6	15.7
New Machinery and Equipment	5.4	7.8	12.9	17.8	37.6	45.1	86.1	41.9	46.2	59.2
Gross Book Value of Depreciable Assets (end of year total)	183.0	186.5	26.8	288.6	322.2	440.7	727.4	724.4	720.2	796.3
Structures and Buildings	51.0	52.5	81.9	88.4	94.6	120.8	182.4	188.7	185.9	211.3
Machinery and Equipment	132.0	133.9	186.5	200.2	227.6	320.0	545.0	535.7	534.3	585.0
Rental Payments, Total	1.3	1.1	2.6	3.5	4.1	5.3	6.3	7.0	7.1	6.8
Structures and Buildings	0.9	0.9	1.5	1.9	2.1	2.8	3.8	4.6	3.9	3.7
Machinery and Equipment	0.4	0.2	1.6	1.6	2.0	2.5	2.5	2.4	3.2	3.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, various years.

* Some data not available for 1972, 1973, 1977, and 1979-1981.

TABLE 12.08

NUMBER, HOURS WORKED AND WAGES OF PRODUCTION WORKERS IN SELECTED NORTH DAKOTA MANUFACTURING INDUSTRIES, 1982-1985

SIC Code	Industries	1982			1983			1984			1985		
		Number 000's	Hrs. Mil.	Wages Mil.$	Number 000's	Hrs. Mil.	Wages Mil.$	Number 000's	Hrs. Mil.	Wages Mil.$	Number 000's	Hrs. Mil.	Wages Mil.$
	NORTH DAKOTA	9.7	18.0	141.2	9.0	17.7	142.1	9.2	17.7	149.4	9.4	17.3	151.4
20	Food & Kindred Products	2.8	5.5	43.0	2.5	5.2	41.5	2.5	5.2	42.5	2.5	5.1	43.0
27	Printing & Publishing	1.1	2.0	14.4	NA	NA	NA	1.3	2.2	17.0	1.3	2.2	16.8
28	Chemicals, Allied Products	NA	NA	NA	NA	NA	NA	(D)	(D)	(D)	(D)	(D)	(D)
32	Stone, Clay, Glass Products	0.6	1.1	9.0	NA	NA	NA	0.4	1.0	7.3	0.5	0.8	5.7
34	Fabricated Metal Products	NA	NA	NA	NA	NA	NA	0.4	0.8	5.6	0.4	0.8	6.4
35	Machinery, Except Electrical	2.0	3.5	29.8	1.8	3.5	32.7	1.9	3.5	32.0	1.7	3.1	29.1
36	Electric, Electronic Equip.	(D)	(D)	(D)	NA	NA	NA	(D)	(D)	(D)	(D)	(D)	(D)
39	Misc. Manufacturing Industry	NA	NA	NA	NA	NA	NA	0.4	0.7	5.0	0.3	0.6	5.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, 1985.

D: withheld to avoid disclosing operations of individual companies.

NA: Not available.

TABLE 12.09

VALUE ADDED BY SELECTED MANUFACTURING INDUSTRIES IN NORTH DAKOTA, 1982-1985 (Millions of Dollars)

SIC Code	Industries	1982	1983	1984	1985
	NORTH DAKOTA	652.1	675.8	754.0	736.0
20	Food & Kindred Products	227.8	199.5	239.4	207.9
27	Printing & Publishing	59.7	NA	69.6	76.8
28	Chemicals, Allied Products	NA	NA	(D)	(D)
32	Stone, Clay, Glass Products	29.9	NA	17.0	14.8
34	Fabricated Metal Products	NA	NA	11.1	14.0
35	Machinery, Except Electrical	140.5	157.3	181.3	158.1
36	Electric, Electronic Equip.	(D)	NA	(D)	(D)
39	Misc. Manufacturing Indus.	NA	NA	16.7	13.3

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, 1982-1985.

D: Withheld to avoid disclosing operations of individual companies.

NA: Not available.

TABLE 12.10

NEW CAPITAL EXPENDITURES IN MANUFACTURING BY INDUSTRY, IN NORTH DAKOTA, 1982-1985 (Millions of Dollars)

SIC Code	Industries	1982	1983	1984	1985
	NORTH DAKOTA	101.1	57.4	58.8	74.9
20	Food & Kindred Products	72.3	30.6	27.8	37.3
27	Printing & Publishing	2.0	NA	3.5	1.3
28	Chemicals, Allied Products	NA	NA	(D)	(D)
32	Stone, Clay, Glass Products	2.2	NA	0.8	0.2
34	Fabricated Metal Products	NA	NA	0.3	0.2
35	Machinery, Except Electrical	11.6	5.6	8.5	6.3
36	Electric, Electronic Equip.	(D)	NA	(D)	(D)
39	Misc. Manufacturing Indus.	NA	NA	0.1	1.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, 1985.

D: Withheld to avoid disclosing operations of individual companies.

NA: Not Available.

TABLE 12.11

END OF YEAR INVENTORIES IN MANUFACTURING ESTABLISHMENTS BY INDUSTRY, IN NORTH DAKOTA, 1978, 1983-1985

(Millions of Dollars)

SIC Code	Industries	1978	1983	1984	1985
	NORTH DAKOTA	197.1	313.8	343.9	345.4
20	Food & Kindred Products	77.3	90.0	118.8	126.1
27	Printing & Publishing	3.9	NA	4.1	4.0
28	Chemicals, Allied Products	2.1	NA	(D)	(D)
32	Stone, Clay, Glass Products	6.1	NA	3.0	2.7
34	Fabricated Metal Products	5.4	NA	7.7	8.0
35	Machinery, Except Electrical	66.5	83.0	83.0	69.8
36	Electric, Electronic Equip.	1.0	NA	(D)	(D)
39	Misc. Manufacturing Indus.	0.3	NA	6.2	6.0

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, 1985.

D: Withheld to avoid disclosing operations of individuals companies.

NA: Not Available.

TABLE 12.12

SELECTED MANUFACTURING OPERATING RATIOS FOR NORTH DAKOTA, CENSUS YEARS, 1962-1982

Year	Payroll Per Employee	Annual Hours of Production Workers	Average Hourly Earnings of Production Workers	Value Added/ Employee
1962	$4,846	2,022	$2.18	$11,138
1967	5,547	2,058	2.44	15,040
1972	7,706	2,028	3.31	19,676
1977	11,761	1,924	5.49	34,297
1982	16,595	1,856	7.84	44,061

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Manufactures, Geographic Area Series, 1977, and 1982.

TABLE 12.13

ESTABLISHMENTS, ALL EMPLOYEES, AND VALUE ADDED FOR NORTH DAKOTA SMSAs, COUNTIES AND SELECTED CITIES, 1982

Geographic Area	Establishments*	All* Employees (1,000)	Payroll* (Million Dollars)	Value Added (Million Dollars)
NORTH DAKOTA	587	14.8	245.6	652.1
STANDARD METROPOLITAN STATISTICAL AREAS				
Bismarck	80	1.9	35.5	110.9
Fargo/Moorhead, N.Dak./Minn.	150	4.7	81.0	207.4
Portion in Minnesota	33	1.1	19.4	39.4
Portion in North Dakota	117	3.5	61.6	168.0
Grand Forks, N. Dak./Minn.	80	2.9	41.8	105.5
Portion in Minnesota	42	1.7	22.9	56.6
Portion in North Dakota	38	1.1	18.9	48.9
Counties				
Adams	8	(Z)	0.5	0.9
Barnes	7	0.2	1.7	3.6
Benson	8	(D)	(D)	(D)
Bottineau	8	0.1	1.5	4.6
Bowman	4	(Z)	0.4	1.3
Burke	2	(D)	(D)	(D)
Burleigh	51	(D)	(D)	(D)
Cass	117	3.5	61.6	168.0
Cavalier	3	(D)	(D)	(D)
Dickey	7	0.1	1.1	0.5
Divide	2	(D)	(D)	(D)
Dunn	1	(D)	(D)	(D)
Eddy	2	(D)	(D)	(D)
Emmons	5	(D)	(D)	(D)
Foster	6	0.1	0.7	1.4
Golden Valley	2	(D)	(D)	(D)
Grand Forks	38	1.1	18.9	48.9
Grant	3	(D)	(D)	(D)
Griggs	8	0.1	0.7	0.9
Hettinger	6	(Z)	0.2	0.4
Kidder	2	(D)	(D)	(D)
LaMoure	4	(D)	(D)	(D)
Logan	1	(D)	(D)	(D)
McHenry	6	(D)	(D)	(D)
McIntosh	7	0.1	0.8	1.5
McKenzie	3	(Z)	0.3	0.7
McLean	8	0.1	0.7	1.4
Mercer	3	(D)	(D)	(D)
Morton	29	(D)	(D)	(D)
Mountrail	5	(D)	(D)	(D)

TABLE 12.13--Continued

Geographic Area	Establishments*	All* Employees (1,000)	Payroll* (Million Dollars)	Value Added (Million Dollars)
Nelson	3	(D)	(D)	(D)
Oliver	1	(D)	(D)	(D)
Pembina	11	(D)	(D)	(D)
Pierce	4	0.1	0.9	1.8
Ramsey	10	0.1	1.5	3.2
Ransom	4	(Z)	0.2	0.4
Renville	3	(Z)	(Z)	0.1
Richland	23	1.3	22.7	61.1
Rolette	7	0.3	3.0	5.1
Sargent	8	(D)	(D)	(D)
Sheridan	2	(D)	(D)	(D)
Sioux	2	(D)	(D)	(D)
Stark	31	0.6	9.3	21.0
Steele	3	(D)	(D)	(D)
Stutsman	23	1.0	17.1	41.7
Towner	5	(D)	(D)	(D)
Traill	9	(D)	(D)	(D)
Walsh	9	0.1	1.3	2.4
Ward	40	0.8	14.8	24.1
Wells	4	(Z)	0.5	0.7
Williams	29	0.5	8.1	20.6
Cities				
Bismarck	49	(D)	(D)	(D)
Fargo	83	2.7	49.0	113.1
Grand Forks	31	1.0	17.8	47.4
Jamestown	15	0.7	12.0	28.5
Mandan	19	0.5	7.7	18.5
Minot	36	(D)	(D)	(D)
Wahpeton	14	(D)	(D)	(D)
West Fargo	21	0.6	8.8	26.6

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Manufactures, Geographic Area Series, 1982.

* Including central administrative offices and auxiliaries.

D: Withheld to avoid disclosing operations of individual companies.

Z: Less than 50 thousand dollars or hours; under 50 employees.

THE PUBLIC SECTOR

Government Finances
Social Insurance and Welfare Services
Education
Government and Elections
Law Enforcement, Courts, and Prisons
Public Lands, Parks, Recreation, and Travel

13.00

GOVERNMENT FINANCES

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TABLE 13.01

PER CAPITA REVENUE SOURCES FOR STATE AND LOCAL GOVERNMENTS, BY STATE, 1984-85

State	Total Revenue	General Revenue		
		Total General Rev.	From Federal Govt.	From State & Local Sources
Alabama	$ 2,537.06	$ 2,028.53	$ 439.70	$ 1,588.75
Alaska	14,042.10	12,910.16	1,008.50	11,901.66
Arizona	2,964.29	2,297.96	294.77	2,003.19
Arkansas	2,060.81	1,788.52	400.08	1,388.44
California	3,526.04	2,789.37	513.03	2,276.34
Colorado	3,154.01	2,538.05	370.74	2,167.31
Connecticut	2,997.86	2,709.26	394.57	2,314.69
Delaware	3,462.00	3,066.69	470.28	2,596.41
District of Columbia	5,861.13	5,172.12	2,154.00	3,018.12
Florida	2,495.90	2,109.41	337.89	1,771.52
Georgia	2,672.20	2,251.42	454.44	1,796.98
Hawaii	3,155.38	2,673.34	474.09	2,199.25
Idaho	2,277.10	1,905.84	416.42	1,489.42
Illinois	2,737.90	2,375.28	430.84	1,944.44
Indiana	2,345.04	2,046.87	352.92	1,693.95
Iowa	2,685.01	2,289.54	396.82	1,892.72
Kansas	2,820.56	2,396.70	354.80	2,041.90
Kentucky	2,296.52	1,957.77	440.87	1,516.90
Louisiana	2,823.07	2,428.38	418.91	2,009.47
Maine	2,559.40	2,274.59	559.31	1,715.28
Maryland	2,933.16	2,574.75	420.70	2,154.05
Massachusetts	3,070.34	2,662.60	507.83	2,154.77
Michigan	3,090.28	2,694.86	469.83	2,225.03
Minnesota	3,600.03	3,105.94	498.02	2,607.92
Mississippi	2,236.64	1,886.33	452.63	1,433.70
Missouri	2,232.31	1,907.54	369.16	1,538.38
Montana	3,221.42	2,762.59	634.00	2,128.59
Nebraska	3,307.30	2,316.77	397.09	1,919.68
Nevada	3,221.79	2,602.44	361.90	2,240.54
New Hampshire	2,246.99	1,924.52	385.36	1,539.16
New Jersey	3,133.36	2,737.37	411.59	2,325.78
New Mexico	3,259.69	2,843.34	473.61	2,369.73
New York	4,417.27	3,630.91	644.28	2,986.63
North Carolina	2,443.07	1,951.30	372.86	1,578.44
NORTH DAKOTA	3,160.09	2,845.71	597.70	2,247.93

TABLE 13.01--Continued

State	Total Revenue	General Revenue Total General Rev.	 From Federal Govt.	 From State & Local Sources
Ohio	$ 2,940.20	$ 2,255.12	$ 391.22	$ 1,863.90
Oklahoma	2,585.67	2,244.41	348.81	1,895.60
Oregon	3,284.38	2,666.61	523.81	2,142.80
Pennsylvania	2,731.33	2,291.67	429.91	1,861.76
Rhode Island	2,983.08	2,653.79	547.30	2,106.49
South Carolina	2,408.04	1,919.74	375.67	1,544.07
South Dakota	2,508.76	2,167.87	529.10	1,638.77
Tennessee	2,642.39	1,847.85	405.81	1,442.04
Texas	2,550.86	2,173.45	298.67	1,874.78
Utah	3,216.92	2,577.65	525.98	2,051.67
Vermont	2,879.09	2,524.80	621.59	1,903.21
Virginia	2,488.45	2,120.79	334.65	1,786.14
Washington	3,562.27	2,544.65	509.39	2,035.26
West Virginia	2,469.80	2,069.02	439.65	1,629.37
Wisconsin	3,043.36	2,610.06	466.89	2,143.17
Wyoming	5,845.15	5,274.00	924.15	4,349.85

SOURCE: U.S. Dept. Of Commerce, Bureau of the Census, _Governmental Finances in 1984-1985_.

TABLE 13.02

A COMPARISON OF STATE AND LOCAL TAX BURDENS FOR FAMILIES LIVING IN THE LARGEST CITY OF EACH STATE*

1982 -- U.S. Median $ 1,363

RANK	STATE	PERCENT AGE OF PERSONAL INCOME	RANK	STATE	PERCENT AGE OF PERSONAL INCOME
1	Michigan	$ 2,701	27	Alabama	$ 1,338
2	Wisconsin	2,456	28	South Dakota	1,314
3	Pennsylvania	2,356	29	Delaware	1,293
4	New York	2,153	30	Indiana	1,229
5	Oregon	2,146	31	Missouri	1,228
6	Massachusetts	2,095	32	Arizona	1,187
7	Hawaii	2,011	33	Arkansas	1,162
8	Maryland	1,993	34	New Hampshire	1,150
9	District of Columbia	1,924	35	Montana	1,149
10	Iowa	1,876	36	Colorado	1,142
11	Rhode Island	1,820	37	Texas	1,132
12	Utah	1,729	38	South Carolina	1,115
13	Kentucky	1,705	39	Tennessee	1,087
14	Ohio	1,703	40	West Virginia	1,060
15	Vermont	1,666	41	Washington	1,035
16	Illinois	1,641	42	Kansas	1,034
17	Idaho	1,619	43	NORTH DAKOTA	879
18	Minnesota	1,611	44	New Mexico	864
19	New Jersey	1,605	45	Oklahoma	853
20	Maine	1,603	46	Mississippi	850
21	Virginia	1,468	47	Florida	634
22	Connecticut	1,464	48	Louisiana	592
23	Nebraska	1,429	49	Nevada	588
24	North Carolina	1,407	50	Alaska	571
25	Georgia	1,365	51	Wyoming	561
26	California	1,363			

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[*] Married couple with two dependents and family income of 25,000. The comparison includes the following tax types: state individual income tax, state general sales tax, local property tax, local individual income tax, and local general sales tax.

SOURCE: North Dakota Tax Dept., North Dakota--Where Taxes Work For People, June 1, 1984.

TABLE 13.03

NORTH DAKOTA STATE TAX DEPARTMENT NET COLLECTIONS
FISCAL YEARS ENDING JUNE 30, 1978 TO 1987

	1978	1979	1980	1981
Sales & Use Taxes[a]	$ 96,256,411	$ 107,666,219	$ 122,356,941	$ 128,062,740
Oil Extraction Tax[b]	----------	----------	----------	23,651,815
Gross Production Tax	10,722,966	13,419,323	29,601,845	63,754,409
Motor Fuels Tax[c]	36,440,474	38,534,093	39,591,391	38,152,757
Individual Income Tax	69,171,352	48,915,408	53,344,055	62,415,467
Corporation Income Tax	13,191,292	17,523,990	25,952,199	29,752,172
Coal Taxes[d]	9,774,059	14,207,621	17,154,370	18,866,514
Other Taxes & Fees[e]	21,338,870	23,520,647	24,215,469	24,975,128
Total Net Collections	256,895,424	263,787,301	312,216,260	389,631,062

	1982	1983	1984	1985
Sales & Use Taxes[a]	$ 144,610,307	$ 145,127,448	$ 201,875,626	$ 185,255,399
Oil Extraction Tax[b]	89,141,246	86,952,446	91,472,873	77,799,141
Gross Production Tax	79,794,487	79,715,144	85,122,189	73,014,024
Motor Fuels Tax[c]	42,376,870	41,716,686	60,056,478	59,499,615
Individual Income Tax	35,341,066	35,135,877	73,951,170	76,101,633
Corporation Income Tax	32,021,771	29,069,064	42,260,589	83,134,581
Coal Taxes[d]	21,125,945	21,449,096	32,401,682	38,041,686
Other Taxes & Fees[e]	20,408,916	16,579,930	19,256,229	19,324,127
Total Net Collections	464,820,608	455,745,691	606,396,836	612,250,146

TABLE 13.05

NORTH DAKOTA LEGISLATIVE APPROPRIATIONS BY FUNCTION, 1987-1989 BIENNIUM

	General Fund*	Special Funds**	Total
General Government	$ 68,576,072	$ 83,612,643	$ 152,188,715
Education	622,079,999	265,920,443	888,000,442
Health & Welfare	233,009,798	461,728,905	694,738,703
Regulatory Agencies	10,757,460	129,402,147	140,159,607
Agriculture, Industrial Development & Promotion	39,459,287	47,449,734	86,909,021
Natural Resources	16,687,636	59,268,960	75,956,596
Highway Department	28,800	347,624,112	347,652,912
Public Safety & Security	18,688,971	37,038,333	55,727,304
Miscellaneous	47,881,150	7,200,000	55,081,150
Total	1,057,169,173	1,439,245,277	2,496,414,450

SOURCE: North Dakota Legislative Council, Report on Appropriations and Estimated Revenues for the Biennium 7/1/87 to 6/30/89, 50th Legislative Assembly, May 1987.

* General Fund refers to expenditures from the General Fund of the State.

** Special Funds refer to expenditures from other money, such as federal aid and dedicated funds.

TABLE 13.06

APPROPRIATIONS OF THE STATE OF NORTH DAKOTA FOR THE FISCAL YEAR JULY 1, 1987 - JUNE 30, 1989

	General Fund Appropriation	Special & Other Funds Appropriation	Total Funds Appropriated
Insurance Fund to Fire Dept.	$ 4,800,000	$ 400,000	$ 5,200,000
Emergency Commission	---------	700,000	700,000
Misc. Refunds	---------	195,250	195,250
Unemployment Insurance	---------	2,000,000	2,000,000
Personal Prop. Tax Replacement	21,367,950	---------	21,367,950
Homestead Tax Credit	4,250,000	---------	4,250,000
State Revenue Sharing	21,367,950	---------	21,367,950
Governors Office	1,274,722	---------	1,274,722
Yellowstone-Missouri Commission	9,500	---------	9,500
Lieutenant Gov. Office	181,424	---------	181,424
Secretary of State	1,196,875	717,308	1,914,183
Secretary of State Pub. & Printing	287,403	---------	287,403
Office of Management and Budget	6,281,527	29,587,856	35,869,383
Central Data Processing	---------	30,021,504	30,021,504
State Auditor	3,261,630	361,016	3,622,646
Central Duplicating Services	---------	2,212,637	2,212,637
State Treasurer	594,726	11,000	605,726
Centennial Commission	392,500	---------	392,500
State Racing Commission	---------	100,000	100,000
Attorney General	6,532,441	3,981,342	10,513,783
Tax Department	11,498,190	400,000	11,898,190
Energy Development Impact Office	2,184,693	6,050,000	8,234,693
Director of Institutions	6,613,932	1,076,300	7,690,232
Deinst. Court Monitor	192,000	---------	192,000
Motor Vehicle Dept.	---------	6,788,090	6,788,090
Legislative Assembly	4,893,106	55,880	4,948,986
Supreme Court	3,555,814	---------	3,555,814
Judicial Qualifications Commission	4,644,898	105,000	4,749,898
District Court	14,794,943	340,000	15,134,943
Public Employees Ret.	---------	1,671,710	1,671,710
Capitol Grounds Planning	---------	73,000	73,000
Public Instruction	384,226,864	111,413,253	495,640,117
Independent Study	508,892	1,174,271	1,683,163
Board of Higher Ed.	6,810,205	592,000	7,402,205
State Industrial School	3,863,281	2,276,813	6,140,094

TABLE 13.06--Continued

	General Fund Appropriation	Special & Other Funds Appropriation	Total Funds Appropriated
Land Department	$ ---------	$ 8,632,371	$ 8,632,371
Bismarck State College	5,633,141	7,177,417	12,810,558
NDSCS-Devils Lake	1,732,689	1,852,741	3,585,430
UND-Williston	1,908,674	2,305,995	4,214,669
University of North Dakota	58,875,361	32,363,039	91,238,400
Medical Center Rehab Hosp.	---------	18,710,165	18,710,165
UND Medical Center	28,190,693	21,604,127	49,794,820
NDSU State Toxicologist	440,755	120,000	560,755
ND State University	50,963,996	24,212,487	75,176,483
ND State College of Science	17,916,024	6,703,725	24,619,749
SUND-Dickinson	8,543,427	3,080,372	11,623,799
SUND-Mayville	5,857,616	1,783,749	7,641,365
SUND-Minot	13,947,787	7,374,289	21,322,076
SUND-Valley City	7,381,427	2,461,612	9,843,039
NDSU-Bottineau	2,739,066	1,007,977	3,747,043
ND Forest Service	977,330	661,367	1,638,697
Educ. Broadcast Council	220,000	---------	220,000
State Library	2,174,139	806,304	2,980,443
School for Deaf	3,468,913	413,340	3,882,253
School for Blind	2,169,457	358,428	2,527,885
Teachers Retirement Fund	---------	1,033,404	1,033,404
Vocational Education	13,530,262	7,801,197	21,331,459
State Health Department	13,104,165	26,993,093	40,097,258
Grafton State School	9,174,255	47,105,143	56,279,398
State Hospitals-Jamestown	31,635,860	13,432,617	45,068,477
Veterans Home	---------	2,153,874	2,153,874
Indian Affairs Commission	680,482	---------	680,482
Veterans Affairs	---------	378,792	378,792
Dept. of Human Services	176,990,244	370,235,352	547,225,596
Gov. Council on Human Resources	203,530	851,344	1,054,874
Protection & Advocacy	1,221,262	578,690	1,799,952
Insurance Commission	---------	1,963,748	1,963,748
Industrial Commission	2,906,624	3,060,000	5,966,624
Labor Commission	464,769	85,250	550,019
Public Service Commission	3,986,355	4,703,775	8,690,130
Weather Modification	533,640	4,194,464	4,728,104
Aeronautics Commission	550,000	2,624,826	3,174,826
Banking & Financial Inst.	1,708,564	---------	1,708,564
Securities Commission	383,348	---------	383,348

TABLE 13.06--Continued

	General Fund Appropriation	Special & Other Funds Appropriation	Total Funds Appropriated
Firemens Association	$ ---------	$ 49,500	$ 49,500
Bonding Fund	---------	51,258	51,258
Fire & Tornado Fund	---------	264,758	264,758
Bank of North Dakota	---------	17,028,859	17,028,859
Housing Finance Agency	---------	31,692,548	31,692,548
ND Mill & Elevator	---------	15,094,260	15,094,260
Oasis & Social Security	---------	270,733	270,733
Job Service	---------	42,503,020	42,503,020
Workmens Compensation	---------	5,725,148	5,725,148
Veterans of Crime	224,160	90,000	314,160
Pardon Board	1,709	---------	1,709
Parole & Probation	1,908,251	---------	1,908,251
Highway Patrol	---------	16,458,925	16,458,925
Radio Communications	---------	3,678,607	3,678,607
Emergency Management	354,787	1,170,657	1,525,444
Civil Air Patrol	106,589	---------	106,589
Penitentiary	13,240,929	1,629,856	14,870,785
Penitentiary Industries	---------	7,665,188	7,665,188
Adjutant General	3,076,706	6,435,100	9,511,806
Economic Dev. Commission	2,432,492	2,738,437	5,170,929
Dept. of Agriculture	3,521,773	1,861,958	5,383,731
Edible Bean Council	---------	400,000	400,000
Milk Stabilization Bd.	---------	444,806	444,806
Sunflower Council	---------	750,000	750,000
Honey Promotion	---------	36,000	36,000
State Potato Council	---------	850,000	850,000
Agri-Prod Util. Commission	---------	508,793	508,793
Seed Dept.	---------	2,782,671	2,782,671
Livestock Sanitary Bd.	489,386	---------	489,386
Turkey Promotion	---------	34,000	34,000
State Wheat Commission	---------	2,970,227	2,970,227
Transportation Inst.	255,444	274,777	530,221
Extension Service	8,330,673	10,424,000	18,754,673
Ext. Serv-Nutrition	---------	496,590	496,590
Northern Crops Inst.	473,924	183,676	657,600
Exp. Stn., Main	19,552,414	18,801,037	38,353,451
Exp. Stn., Dickinson	875,327	286,535	1,161,862
Exp. Stn., Central Grasslands	645,913	153,136	799,049
Exp. Stn., Hettinger	415,933	201,245	617,178
Exp. Stn., Langdon	477,870	90,646	568,516
Exp. Stn., North Central	353,901	428,923	782,824

TABLE 13.06--Continued

	General Fund Appropriation	Special & Other Funds Appropriation	Total Funds Appropriated
Expn. Station-Williston	441,038	119,209	560,247
Expn. Station-Carrington	743,199	522,068	1,265,267
Branch Expn. Stations	---------	---------	---------
Agronomy Seed Farm	---------	740,863	740,863
Land Recl. Research Cent.	---------	1,350,137	1,350,137
ND State Fair Assoc.	450,000	---------	450,000
Historical Society	3,212,630	940,352	4,152,982
Intl. Peace Garden	628,592	358,000	986,592
Council on Arts	446,163	1,204,424	1,650,587
Soil Conservation Commission	862,468	---------	862,468
Geological Survey	1,698,205	---------	1,698,205
Game & Fish	---------	17,876,790	17,876,790
ND Parks and Recreation Dept.	4,207,733	3,135,524	7,343,257
Water Commission	5,631,845	9,898,436	15,530,281
Southwest Water Pipeline	---------	25,855,434	25,855,434
Highway Dept.	28,800	347,624,112	347,652,912
Grand Total	1,057,169,173	1,439,245,277	2,496,414,450

SOURCE: North Dakota Legislative Council 1987.

TABLE 13.03--Continued

	1986	1987
Sales & Use Taxes[a]	$ 175,126,981	$ 197,094,225
Oil Extraction Tax[b]	62,565,514	34,988,979
Gross Production Tax	57,208,654	34,356,907
Motor Fuels Tax[c]	55,375,504	55,022,634
Individual Income Tax	73,368,114	80,150,489
Corporation Income Tax	53,510,872	30,871,422
Coal Taxes[d]	37,697,390	36,211,219
Other Taxes & Fees[e]	22,572,354	28,050,521
Total Net Collections	537,425,383	496,746,398

[a] Includes sales and use tax, motor vehicle excise tax, and aircraft excise tax.

[b] Effective January 1, 1981.

[c] Includes motor vehicle and special fuel taxes.

[d] Includes coal severence tax and coal conversion facilities privilege tax.

[e] Includes cigarette & tobacco tax, estate tax, business and corporation privilege tax, Vietnam bonus surtax, transmission lines tax, motor vehicle excise tax, city sales tax, city lodging tax, music and composition tax, sales and use tax and motor fuel tax, cash bonds, motor fuel license fees, and miscellaneous remittances.

SOURCE: Comparative Statement of Collections, North Dakota State Tax Department.

TABLE 13.04

NORTH DAKOTA STATE EXPENDITURES BY FUNCTION, SELECTED FISCAL YEARS, 1965-1985 (Thousands of Dollars)

	1965	1970	1975	1981	1985
Total Expenditures	$ 199,265	$ 280,977	$ 490,614	$ 1,013,470	$ 1,440,294
General Expenditure	188,204	268,933	464,387	943,265	1,440,294
Intergovernmental Expend.	29,786	65,966	122,249	249,609	394,367
Direct Expenditures	158,418	202,967	342,138	693,656	1,045,927
Insurance Trust Expenditures	11,061	12,044	26,227	70,205	100,823
Gen. Expenditure by Function					
Education (Total)	51,976	110,494	178,507	359,985	540,545
Intergovernmental	17,793	43,241	84,222	174,017	276,303
Higher Education	31,379	57,630	81,305	164,514	235,130
Other Education	2,804	9,623	12,980	21,454	29,112
Libraries	67	442	738	1,525	1,297
Public Welfare	17,926	26,730	42,690	109,131	177,129
Hospitals	6,590	10,876	18,027	38,313	60,992
Health	1,639	2,714	4,871	12,883	32,594
Employment Security Adm.	1,977	2,913	2,203	4,355	5,347
Veterans' Services	50	152	2,920	258	164
Transportation					
Highways	59,376	60,815	82,772	139,558	212,092
Airports	29	379	266	690	862
Public Safety					
Correction	1,292	1,713	3,280	7,333	10,159
Police	869	1,177	2,212	4,978	5,919
Protection Inspection & Regulation	1,619	2,469	3,635	8,647	12,630

TABLE 13.04--Continued

	1965	1970	1975	1981	1985
Environment & Housing					
Agriculture	$ 4,751	$ 8,133	$ 15,390	$ 27,694	$ 30,578
Fish & Game	989	1,428	1,693	3,746	7,584
Forestry, Parks & Recreation	192	676	631	3,533	4,282
Other	1,022	1,753	3,718	6,140	11,537
Housing, Sewage, Urban Renewal	-----	-----	-----	-----	13,548
Governmental Adm.	3,696	4,914	11,222	26,890	38,342
Interest on General Debt	904	1,293	2,713	14,328	47,460
Misc. Commercial Activity*	29,025	20,013	62,384	104,642	128,113
Other Gen. Expenditures	4,215	9,849	24,515	68,636	99,220

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, *State Government Finances*, various years.

* North Dakota Mill & Elevator and State Bank of North Dakota.

TABLE 13.07

MAJOR STATE GENERAL FUND APPROPRIATIONS FOR ASSISTANCE TO POLITICAL SUBDIVISIONS FROM 1967-1969 THROUGH 1987-1989

	1967-69	1969-71	1971-73	1973-75	1975-1977	1977-79
Foundation Program	$45,500,000	$50,200,000	$54,385,000	$92,900,000	$141,378,805	$175,752,000
Special Education	900,000	1,061,000	1,401,150	3,000,000	7,250,096	10,750,000
Agricultural and Training Schools	21,000	21,000	21,000			
Vocational Education	299,866	772,888	1,474,043	3,122,203	7,000,000	9,098,013
Teacher Center Network	-------	-------	-------	-------	-------	-------
Vocational Education Grants to Junior Colleges	-------	500,000	-------	-------	-------	-------
Homestead Tax Credit	-------	-------	-------	370,000	4,036,014	2,900,000
School Lunch Program	-------	-------	-------	-------	750,000	1,150,358
Personal Property Tax Replacement	-------	18,900,000	42,600,000	18,170,000	21,900,000	24,300,000
Health Dept. Grants to Mental Health and Retardation Centers and Human Service Centers	250,000	363,380	785,707	1,248,483	1,668,483	2,380,905
Law Enforcement Pmt. to Counties	20,000	20,000	20,000	-------	-------	-------
Boys and Girls Club	21,200	21,600	21,600	32,400	32,400	32,400
Insurance Tax to Fire Departments	600,000	600,000	600,000	650,000	800,000	1,300,000
Indian Welfare Assistance to Counties	-------	-------	-------	228,000	228,000	228,000
Political Subdivisions Liability Fund	-------	-------	-------	-------	500,000	-------
Bicentennial Project Grants	-------	-------	-------	10,000	200,000	-------
Soil Conservation District Grants	40,000	40,000	40,000	35,000	35,000	10,000
Water Commission Cooperative Proj. / Local Entities	1,133,919	780,000	670,000	571,000	750,000	755,000

TABLE 13.10

COMPARISON OF TAXABLE SALES AND TAXABLE PURCHASES BY INDUSTRY FY 1985 AND FY 1986

	Taxable Sales and Taxable Purchases,		
	1st Quar., 1985 through 4th Quar., 1985	1st Quar., 1986 through 4th Quar., 1986	Percent Change
Mining and Oil Extraction			
Coal Mining	$ 6,064,261	$ 4,113,260	-32.17%
Oil and Gas Extraction	66,872,864	24,452,889	-63.43%
Other Mining	10,955,465	8,576,220	-21.72%
Construction	138,773,053	118,061,671	-14.92%
Manufacturing	213,429,153	184,886,423	-13.37%
Transportation, Communication & Public Utilities			
Transportation	35,015,734	15,655,560	-55.29%
Communication	127,611,735	125,445,568	-1.70%
Gas and Sanitary Services	170,561,811	133,363,721	-21.81%
Wholesale Trade			
Durable Goods			
Farm Machinery & Irrigation Equipment	386,319,032	342,641,012	-11.31%
Other Durable Goods	170,557,849	155,341,441	-8.92%
Nondurable Goods	257,208,506	251,215,288	-2.33%
Retail Trade			
Building Materials, Hardware, Glass, Garden Supply & Mobile Home Dealers	265,288,908	260,901,506	-1.65%
General Merchandise Stores	446,687,105	457,794,849	2.49%
Food Stores	169,136,198	194,673,624	15.10%
Automotive Dealers & Gas Service Stations	202,912,274	212,254,395	4.60%
Apparel & Accessory Stores	145,590,649	141,952,854	-2.50%
Furniture, Home Furnishings & Equipment Stores	135,087,292	135,183,877	0.07%
Eating & Drinking Places	375,939,026	388,015,246	3.21%
Miscellaneous Retail Stores	256,768,942	263,603,753	2.66%
Services			
Hotels, Motels, Rooming Houses, Camps & Other Lodging Places	82,294,624	81,492,270	-0.97%
Personal Services	20,927,932	22,130,409	5.75%
Business Services	101,555,518	90,631,964	-10.76%
Repair Services	77,633,006	74,804,930	-3.64%
Entertainment Services	37,040,614	35,402,509	-4.42%
Health Services	6,812,556	7,536,493	10.63%
Membership Organizations	10,714,410	9,883,411	-7.76%
Miscellaneous Services	426,921	554,441	29.87%
Miscellaneous	21,598,810	19,553,007	-9.47%
Grand Total	3,939,784,248	3,760,112,591	-4.56%

SOURCE: North Dakota Tax Dept., Sales and Use Tax Statistical Report, 1986

TABLE 13.07--Continued

	1979-81	1981-83	1983-85	1985-87	Adjusted 1985-87	1987-89
Foundation Program	$204,594,000	$208,738,209	$352,666,802	$369,900,112	$348,732,203	$354,609,408
Special Education	13,061,848	19,558,128	21,196,650	21,017,218	20,176,529	24,176,529
Agricultural and Training Schools	-------	-------	-------	-------	-------	-------
Vocational Education	10,384,000	12,809,999	12,951,242	13,451,242	12,913,601	12,413,639
Teacher Center Netwk.				350,000	336,000	200,000
Vocational Education Grants to Junior Colleges	-------	-------	-------	-------	-------	-------
Homestead Tax Credit	3,907,555	6,690,000	5,341,000	5,000,000	4,050,000	4,250,000
School Lunch Program	1,283,605	1,891,080	1,400,000	1,260,000	1,209,600	116,000
Personal Property Tax Replacement	26,044,401	32,577,000	29,377,000	32,577,000	31,289,226	21,367,950
Health Dept. Grants to Mental Health and Retardation Centers and Human Service Centers	-------	-------	-------	-------	-------	-------
Law Enforcement Pmt. to Counties	-------	-------	-------	-------	-------	-------
Boys and Girls Club	31,800	31,800	53,000	53,000	50,880	53,000
Insurance Tax to Fire Departments	3,181,154	3,811,500	-------	-------	-------	-------
Indian Welfare Assistance to Counties	228,000	302,000	302,000	302,000	302,000	302,000
Political Subdivisions Liability Fund	50,000	-------	-------	-------	-------	-------
Bicentennial Project Grants	-------	-------	-------	-------	-------	-------
Soil Conservation District Grants	10,000	13,000	430,000	825,000	769,492	286,123
Water Commission Cooperative Proj. / Local Entities	760,000	850,000	1,000,000	1,645,500	1,413,326	149,993

SOURCE: Legislative Council Staff, April 1987.

TABLE 13.08

NORTH DAKOTA ESTATE TAXES ASSESSED BY COUNTY, SELECTED FISCAL YEARS, 1950-1987

County	FY 1950	FY 1960	FY 1970	FY 1980	FY 1985	FY 1986	FY 1987
North Dakota	$356,054	$739,011	$2,605,381	$3,361,385	$2,638,837	$2,111,772	$1,791,358
Adams	3,050	3,926	24,381	11,972	11,574	80,326	15,089
Barnes	4,734	21,823	100,873	130,327	22,147	34,748	16,623
Benson	3,685	5,108	16,870	9,363	17,052	90	2,255
Billings	614	1,108	2,857	214	709	1	9,851
Bottineau	6,141	6,055	26,530	2,851	48,778	33,817	28,856
Bowman	1,545	8,832	14,225	55,433	69,725	6,137	152,962
Burke	1,644	8,834	28,862	47,279	59,530	17,020	45,632
Burleigh	21,215	35,840	184,800	173,549	129,472	166,268	111,450
Cass	52,117	105,290	257,994	717,360	230,216	323,453	74,613
Cavalier	3,976	11,313	69,895	16,752	1,809	55,049	40,471
Dickey	6,512	6,204	100,239	11,406	25,154	0	4,660
Divide	5,947	11,093	32,075	12,858	63,574	1,713	12,229
Dunn	1,733	2,042	11,205	30,638	12,006	9,171	12
Eddy	1,148	1,060	8,972	27,277	41,848	1,338	0
Emmons	634	3,648	7,745	2,743	760	0	0
Foster	976	3,883	7,560	125,867	0	42,838	34,781
Golden Valley	743	5,145	16,277	5,168	24,021	39,641	11,975
Grand Forks	38,757	53,251	253,082	165,810	213,460	182,817	126,340
Grant	1,422	4,832	9,300	24,317	793	10,242	513
Griggs	1,257	10,216	22,788	7,067	30,278	0	29,666
Hettinger	3,084	5,310	12,699	58,990	2	5,624	23,483
Kidder	442	1,707	22,887	26,652	16	34,174	0
LaMoure	337	6,836	40,575	38,355	8,549	15,790	17,310
Logan	403	2,388	38,805	4,431	19,926	0	3,398
McHenry	4,074	2,880	35,830	13,427	47,814	53,542	13,608
McIntosh	1,629	3,556	18,151	4,732	771	986	0
McKenzie	884	11,066	50,604	55,693	12,559	30,227	35,911
McLean	8,276	11,284	41,697	25,862	11,487	22,321	0
Mercer	1,547	1,774	7,899	41,473	18,117	1,001	2,421
Morton	5,851	9,401	74,757	81,755	9,221	29	40,711

TABLE 13.08--Continued

County	FY 1950	FY 1960	FY 1970	FY 1980	FY 1985	FY 1986	FY 1987
Mountrail	$ 1,028	$ 8,299	$ 46,923	$ 11,843	$ 11,112	$ 39,776	$ 92,995
Nelson	4,028	8,389	16,183	19,245	15,725	10,527	23,550
Oliver	761	654	501	340	11,665	486	0
Pembina	24,915	31,567	73,399	106,950	72,493	28,109	60,714
Pierce	6,029	6,217	11,645	4,833	7,829	1,872	0
Ramsey	6,593	28,828	66,123	159,423	123,433	78,841	40,405
Ransom	8,852	19,483	37,479	13,393	31,348	34,125	19,581
Renville	1,596	3,968	23,457	66,794	18,610	39,899	12,052
Richland	8,740	39,935	23,457	119,547	33,151	162,433	24,874
Rolette	4,574	2,761	25,591	79,824	30,377	44,219	5,061
Sargent	3,082	3,047	16,999	8,653	8,601	23,597	31,065
Sheridan	300	355	7,249	1,722	16,733	1,658	3,214
Sioux	80	447	7,046	0	0	0	0
Slope	1,451	3,146	23,950	6,015	12,785	5,811	178
Stark	7,816	13,656	51,860	72,880	167,364	13,165	168,174
Steele	1,354	5,240	28,163	13,391	8,678	1,398	3,408
Stutsman	22,616	14,396	91,627	37,267	75,607	38,461	37,802
Towner	9,381	7,369	22,894	19,230	66,304	58,218	39,463
Traill	22,981	17,293	58,055	124,681	407,729	86,052	98,170
Walsh	6,162	35,732	90,069	52,043	85,888	69,782	57,706
Ward	17,251	73,890	139,534	315,948	125,800	32,365	106,637
Wells	1,044	7,177	44,553	50,423	0	5,183	18,150
Williams	5,935	40,401	73,422	146,378	174,478	11,361	92,978
Micellaneous	---	---	---	938	1,732	42,271	359

SOURCE: North Dakota Tax Dept., Biennial Report of the Tax Commissioner, various years.

TABLE 13.09

NORTH DAKOTA SALES* AND USE TAX COLLECTIONS BY QUARTERS, SELECTED YEARS, 1955-1987

Year	Quarter Ending March 31st	Quarter Ending June 30th	Quarter Ending Sept. 30th	Quarter Ending Dec. 31st	Calendar Year Total
1955	$3,467,218	$2,520,999	$3,205,146	$3,809,723	$13,003,086
1960	3,933,096	3,001,857	3,893,181	4,340,570	15,168,704
1965	6,130,059	4,587,995	6,110,965	5,777,589	22,606,608
1970	10,325,761	9,032,772	11,905,672	13,465,009	44,729,215
1975	22,750,525	16,923,009	22,400,728	26,725,684	88,799,947
1980	30,393,753	22,057,900	27,535,756	30,054,293	110,041,705
1981	32,826,541	25,375,784	32,006,516	35,237,769	125,446,610
1982	37,074,502	26,396,528	31,443,816	36,434,313	131,349,159
1983	35,499,427	26,267,781	59,715,633	41,465,053	162,947,895
1984	43,464,341	37,084,672	43,398,536	41,534,516	165,482,066
1985	41,968,942	36,570,790	36,029,451	42,471,691	157,040,874
1986	41,161,116	33,931,295	39,460,814	41,918,552	156,471,777
1987	41,878,987	48,684,941	47,859,380	NA	NA

SOURCE: North Dakota Tax Dept., North Dakota Sales and Use Tax Statistical Report, various years.

* The sales tax rate has varied over the years.

TABLE 13.11

SALES AND USE TAX COLLECTIONS BY NORTH DAKOTA COUNTY, CALENDAR YEARS, 1980-1986

County	1980	1981	1982	1983	1984	1985	1986
Adams	$ 325,336	$ 367,733	$ 383,433	$ 493,864	$ 510,716	$ 460,403	$ 485,636
Barnes	1,392,669	1,455,394	1,444,281	1,861,797	1,881,463	1,837,989	1,964,387
Benson	288,947	320,364	287,423	-------	398,670	329,620	309,188
Billings	78,150	108,085	101,941	-------	-------	142,491	151,357
Bottineau	893,989	985,622	1,061,371	1,134,013	1,377,848	1,296,359	1,191,681
Bowman	475,126	553,955	532,757	623,120	648,231	699,363	663,331
Burke	222,006	251,063	253,387	317,369	339,203	310,829	303,211
Burleigh	9,309,267	9,395,464	9,805,596	14,485,667	15,145,233	14,844,253	15,178,519
Cass	14,647,983	15,145,295	15,160,966	22,612,303	24,598,565	24,471,143	26,259,621
Cavalier	600,794	597,856	542,083	727,928	748,414	764,407	903,943
Dickey	560,934	609,983	565,123	695,278	749,731	669,412	671,423
Divide	257,310	277,708	288,942	366,361	333,208	305,970	310,755
Dunn	342,185	425,932	451,537	422,693	436,058	323,367	313,441
Eddy	267,365	261,689	243,164	323,524	343,349	321,243	317,671
Emmons	362,923	396,452	388,064	481,893	488,158	494,042	482,815
Foster	581,391	607,658	586,775	752,822	807,523	728,442	731,668
Golden Valley	216,004	285,525	290,098	340,401	332,674	286,565	339,974
Grand Forks	7,304,071	8,028,536	8,239,576	12,031,842	12,491,752	13,402,729	15,036,695
Grant	189,895	204,850	206,388	-------	-------	293,812	276,260
Griggs	334,223	366,760	368,561	425,057	478,548	436,813	425,259
Hettinger	389,648	408,126	366,775	426,204	472,014	422,438	379,693
Kidder	142,394	145,394	148,523	-------	-------	185,538	203,382
LaMoure	445,566	464,090	442,014	342,729	572,279	526,022	555,022
Logan	229,558	243,772	222,438	-------	-------	266,761	280,940
McHenry	335,271	372,957	357,864	436,288	471,993	443,039	427,097
McIntosh	318,919	350,032	352,666	449,426	510,509	452,971	441,060
McKenzie	625,070	824,341	968,173	960,582	930,457	926,253	781,201
McLean	795,679	882,793	892,264	1,248,696	1,180,104	1,063,826	1,054,612
Mercer	755,658	761,413	844,116	1,571,637	1,390,246	1,096,379	987,014
Morton	2,382,869	2,457,135	2,472,272	3,426,448	3,406,653	3,163,981	3,449,511

TABLE 13.11--Continued

County	1980	1981	1982	1983	1984	1985	1986
Mountrail	$ 461,826	$ 501,009	$ 515,382	$ 658,991	$ 590,195	$ 549,237	$ 570,485
Nelson	451,942	509,151	497,338	610,107	576,042	549,575	561,976
Oliver	37,261	34,186	33,230	40,161	59,104	59,742	68,105
Pembina	690,672	751,659	691,061	993,330	1,135,972	1,228,233	1,311,015
Pierce	518,623	629,186	584,195	838,866	902,388	872,134	843,234
Ramsey	1,768,718	1,883,073	1,920,821	2,631,388	2,646,119	2,648,659	2,854,699
Ransom	495,533	516,943	711,229	662,958	696,331	680,665	798,340
Renville	315,983	395,815	297,974	367,669	417,420	416,687	433,869
Richland	1,577,074	1,697,688	1,637,926	2,210,793	2,387,189	2,202,527	2,360,135
Rolette	523,227	543,372	530,545	710,244	692,862	729,037	777,085
Sargent	370,470	371,458	352,937	454,872	526,392	559,745	620,534
Sheridan	91,447	111,858	88,766	-------	-------	106,416	103,625
Sioux	13,662	14,225	12,861	14,387	16,821	16,372	17,971
Slope	7,296	8,069	6,398	7,505	9,300	8,148	6,847
Stark	4,672,481	6,241,932	6,030,150	6,052,680	5,829,624	5,582,134	5,106,067
Steele	163,625	169,380	167,527	195,983	-------	184,168	165,003
Stutsman	2,726,385	2,767,186	2,724,257	3,756,149	3,864,217	3,945,240	4,121,035
Towner	317,875	368,596	318,061	410,675	428,968	353,597	355,210
Traill	642,430	693,140	636,456	825,162	908,323	881,998	973,618
Walsh	1,366,205	1,620,735	1,530,011	2,042,782	2,167,148	2,067,159	2,178,545
Ward	7,398,550	8,290,036	8,343,428	11,984,059	12,759,984	11,968,482	12,426,510
Wells	721,872	702,992	725,927	894,525	954,674	896,763	845,853
Williams	6,739,869	9,632,299	9,051,636	7,579,971	8,251,070	7,329,953	5,423,581
Adj. & Consol.	10,226,291	11,210,444	16,632,665	18,621,188	18,690,936	18,447,995	20,169,658
Out-of-State	22,782,213	28,226,330	24,563,567	27,910,849	28,694,493	23,274,712	18,596,918
Grand Total*	110,041,705	125,446,610	131,349,158	162,947,895	165,482,067	156,525,739	156,546,287

SOURCE: North Dakota Tax Dept., Sales and Use Tax Statistical Report, various years.

* Grand Total In-State and Out-of-State.

Note: Year-to-Year changes in tax rate tax base and taxable items have affected the totals shown here.

TABLE 13.12

TAXABLE SALES AND TAXABLE PURCHASES BY NORTH DAKOTA COUNTY, 1982-1986

County	1982	1983	1984	1985	1986
Adams	$ 13,768,431	$ 13,692,906	$ 13,193,387	$ 12,169,969	$ 12,372,576
Barnes	53,845,723	51,801,464	48,643,171	47,619,627	50,242,592
Benson	10,992,804	10,447,329	10,843,795	8,660,644	8,157,092
Billings	3,421,654	3,696,982	3,556,105	3,555,018	3,892,790
Bottineau	36,212,016	34,531,651	36,209,251	34,306,101	29,072,882
Bowman	19,275,111	18,234,542	18,007,965	17,906,499	16,922,844
Burke	8,927,782	8,681,792	8,719,668	7,921,051	7,201,164
Burleigh	333,350,540	366,556,794	382,284,097	388,267,749	386,699,411
Cass	524,081,848	569,440,943	617,599,711	640,373,102	667,813,716
Cavalier	20,062,358	20,308,979	19,792,268	19,226,427	22,232,395
Dickey	20,995,092	20,164,006	20,115,813	17,648,795	17,610,984
Divide	10,029,132	10,080,045	8,698,636	7,626,692	7,675,076
Dunn	16,108,472	11,659,937	11,791,371	8,832,109	8,191,121
Eddy	9,197,600	9,531,394	9,273,513	8,760,570	8,102,693
Emmons	14,412,600	13,426,850	12,745,349	13,073,918	12,015,202
Foster	21,528,259	20,769,796	21,301,365	19,562,283	18,260,398
Golden Valley	10,878,915	9,804,327	9,306,558	8,089,237	8,706,837
Grand Forks	281,694,389	300,696,394	313,290,983	353,967,058	384,382,392
Grant	7,768,192	7,687,544	7,565,398	7,988,670	7,010,350
Griggs	13,848,967	12,450,195	12,625,022	11,754,018	11,117,720
Hettinger	14,067,062	12,256,091	11,641,273	10,966,859	9,597,922
Kidder	55,056,980	4,320,274	4,586,226	4,656,249	4,956,434
LaMoure	17,061,621	16,032,425	16,299,414	14,822,799	14,909,678
Logan	8,378,567	7,566,244	7,503,660	7,203,107	7,642,009
McHenry	12,553,428	11,868,535	12,170,756	11,020,019	10,729,209
McIntosh	12,762,970	12,536,918	12,536,274	11,705,747	11,155,565
McKenzie	33,681,424	27,185,166	23,898,035	23,416,040	18,659,906
McLean	33,053,647	34,851,394	31,248,838	28,121,038	26,903,110
Mercer	30,036,078	40,265,349	35,326,232	27,996,836	24,544,661
Morton	87,889,444	89,378,826	87,757,234	83,890,827	86,851,724

TABLE 13.12--Continued

County	1982	1983	1984	1985	1986
Mountrail	$18,366,882	$18,459,520	$15,966,863	$14,407,023	$14,564,001
Nelson	18,969,017	17,445,057	15,711,428	14,907,473	14,647,343
Oliver	1,132,743	1,172,879	1,433,105	1,507,213	1,578,300
Pembina	24,426,202	27,758,613	28,777,041	31,511,101	32,607,180
Pierce	23,106,087	23,090,353	24,278,235	23,410,261	20,981,217
Ramsey	67,801,168	69,645,727	68,689,313	69,616,860	72,340,468
Ransom	25,098,699	18,896,233	18,234,286	18,003,188	20,654,034
Renville	10,562,485	10,074,354	10,885,526	10,871,336	10,197,418
Richland	56,908,147	58,618,471	61,205,866	57,547,482	66,914,134
Rolette	18,649,533	19,227,779	18,351,636	18,675,035	19,893,954
Sargent	13,506,282	12,686,005	13,948,391	14,969,044	16,305,669
Sheridan	3,205,120	3,690,146	2,812,058	2,665,024	2,605,325
Sioux	443,673	391,067	427,787	404,014	438,971
Slope	222,558	194,819	226,430	178,489	158,352
Stark	209,457,709	157,276,508	150,159,152	148,832,754	126,577,710
Steele	6,008,306	5,290,241	5,222,244	4,729,609	4,167,053
Stutsman	97,390,183	99,549,929	100,519,058	103,243,214	105,911,214
Towner	11,848,678	12,036,495	11,481,439	9,078,277	8,402,138
Traill	23,620,623	23,632,746	24,641,648	23,355,913	25,763,053
Walsh	55,693,906	53,759,123	56,497,926	56,056,640	55,738,075
Ward	292,081,324	305,819,337	327,207,054	313,925,669	315,834,613
Wells	27,316,189	25,432,125	24,973,744	23,316,623	21,331,781
Williams	310,055,749	195,133,863	210,215,269	191,171,638	124,810,355
Consolidate	554,696,365	489,245,907	366,156,794	345,123,487	310,980,423
Out-of-State	824,990,019	726,103,881	719,969,297	610,876,137	469,149,357
Grand Total	4,380,248,751	4,144,956,270	4,106,723,778	3,969,482,566	3,760,122,591

SOURCE: North Dakota Tax Dept., Sales and Use Tax Statistical Report, various years.

Note: Year-to-Year changes in tax rate tax base and taxable items have affected the totals shown here.

TABLE 13.13

TAXABLE SALES AND PURCHASES AND SALES AND USE TAX PAID IN NORTH DAKOTA'S LARGEST CITIES, 1982-1986

City	Taxable Sales and Purchases[1,2]				
	1982	1983	1984	1985	1986
Fargo	$475,340,425	$519,889,757	$563,178,622	$591,870,928	$617,806,906
Bismarck	330,523,254	363,639,056	329,589,913	385,339,537	383,795,211
Grand Forks	261,165,646	281,261,681	292,539,542	334,623,237	362,015,416
Minot	265,061,069	280,424,479	304,588,929	294,062,779	296,943,919
Jamestown	92,334,049	94,249,784	96,220,477	96,265,249	102,025,729
Dickinson	189,100,984	141,454,037	137,411,241	138,418,925	116,617,299
Mandan	71,875,344	75,137,514	73,862,196	70,793,801	73,620,570
Williston	247,667,676	157,537,984	169,443,674	160,088,318	103,614,143
West Fargo	19,537,420	19,394,142	22,800,646	22,873,845	23,115,166
Wahpeton	40,130,568	43,570,578	44,852,633	43,111,326	46,548,043
Valley City	45,996,432	44,017,244	40,796,852	40,856,893	43,507,751
Devils Lake	61,418,597	63,199,340	62,975,190	63,903,748	66,988,297
Grafton	36,547,817	36,399,377	38,246,932	38,990,230	38,354,950

TABLE 13.13--Continued

City	Tax Collections[2]				
	1982	1983	1984	1985	1986
Fargo	$13,869,941	$20,850,259	$22,605,989	$22,654,876	$24,326,943
Bismarck	9,722,739	14,377,163	15,037,123	14,729,396	15,060,735
Grand Forks	7,689,941	11,355,892	11,710,013	12,687,031	14,171,145
Minot	7,627,692	11,109,245	11,944,392	11,236,375	11,699,858
Jamestown	2,601,866	3,561,729	3,690,310	3,666,117	3,965,924
Dickinson	5,441,327	5,519,453	5,365,939	5,187,408	4,721,475
Mandan	2,045,328	2,924,305	2,872,760	2,668,274	2,939,322
Williston	7,201,263	6,130,578	6,647,274	6,169,825	4,416,118
West Fargo	525,975	723,342	871,571	881,462	913,940
Wahpeton	1,182,508	1,692,496	1,796,964	1,669,090	1,814,503
Valley City	1,244,473	1,610,246	1,586,137	1,596,665	1,715,189
Devils Lake	1,741,064	2,406,450	2,432,540	2,433,488	2,625,200
Grafton	1,030,406	1,410,329	1,472,925	1,430,235	1,488,492

SOURCE: North Dakota Tax Dept., Sales and Use Tax Statistical Report, various years.

[1] Excludes purchases by retailers and purchases for own use.

[2] Taxable sales and purchases are for the 4th quarter of the preceeding year through the 3rd quarter of the reported year while taxes paid are for the calendar year.

TABLE 13.14

GENERAL PROPERTY AND SPECIAL TAXES LEVIED IN NORTH DAKOTA AND ITS POLITICAL SUBDIVISIONS, SELECTED YEARS, 1960-1986

Year	Total State Taxes	Total Garrison Diversion Conservancy Dist.	Total County Taxes	Total Township Taxes	Total Water* Management District Taxes	Total Rural Fire Protection District Taxes
1960	$2,484,700	$40,779	$16,501,152	$5,287,014	$ -------	$ -------
1965	2,096,179	41,785	17,978,694	5,225,325	465,380	182,919
1970	622,218	366,580	19,370,254	5,165,260	652,364	284,530
1975	734,342	261,178	28,903,815	5,873,172	1,391,989	762,757
1980	903,727	318,448	39,346,930	7,495,591	1,460,405	1,480,221
1981	952,565	334,325	48,802,572	8,289,362	2,058,983	1,638,905
1982	977,669	334,949	55,491,436	8,916,476	2,295,914	1,918,044
1983	994,317	354,309	59,630,074	9,061,745	2,176,986	2,002,998
1984	1,044,614	356,327	63,401,965	9,361,379	2,220,362	2,162,382
1985	1,008,458	353,052	66,327,745	9,415,388	2,162,429	2,316,122
1986	1,027,273	359,306	69,257,688	9,383,936	2,546,068	2,285,356

Year	Total School Taxes	Total City and Village Taxes	Total City and Village Park District Taxes	Total County Park District & Vector Control District Taxes	Grand Total State & Local Taxes	Total Assess. Hail Indemnity & Sheep Taxes
1960	$41,020,863	$9,288,946	$1,418,365	$ -------	$76,041,818	$6,795,614
1965	54,165,871	10,786,157	1,899,446	90,067	92,931,821	8,511,085
1970	64,548,985	13,219,568	2,130,425	122,617	106,482,801	9,563,223
1975	77,109,051	16,572,214	3,213,010	234,358	135,055,887	14,600,988
1980	118,702,627	24,098,337	5,369,673	321,631	199,727,658	33,942,826
1981	104,459,722	28,853,532	6,943,505	377,160	202,849,302	38,495,424
1982	113,204,937	32,208,217	7,225,404	424,769	223,247,003	41,884,422
1983	121,034,985	34,494,578	7,565,280	458,294	238,736,779	43,458,329
1984	130,709,765	37,838,720	8,324,440	484,284	257,302,920	45,952,879
1985	137,860,906	40,159,173	9,126,948	457,050	270,849,555	47,483,788
1986	145,094,628	41,444,989	9,653,047	476,603	283,249,344	46,991,152

SOURCE: North Dakota Tax Dept., Property Tax Statistical Report, 1987.

* Formerly Water Conservation and Flood Control.

TABLE 13.15

TAXES LEVIED UPON THE VARIOUS CLASSES OF PROPERTY IN NORTH DAKOTA, SELECTED YEARS, 1970-1985

	1970	1975	1980	1981	1982
Rural Real Estate	$ 48,083,293	$ 61,504,860	$ 85,108,261	$ 87,055,745	$ 93,282,484
Rural Personal Property	1,512	2,526	14,289	0	0
City & Village Real Estate	44,549,638	56,694,210	91,367,473	94,336,891	106,081,193
City & Village Personal Property	32,765	47,014	46,812	0	0
Railroad Property	3,380,243	2,856,676	2,637,885	2,159,406	1,003,276
Telephone Property	3,614,020	4,569,756	5,884,734	5,946,852	6,123,712
Telegraph Property	9,029	8,402	29,621	36,682	28,945
Electric, Gas & Heating Property	4,288,695	4,716,217	6,399,072	4,633,854	5,174,628
Pipe Line Property	652,230	536,769	948,556	1,097,248	3,173,160
Other	-------	-------	-------	0	0
Tax Increments	-------	-------	90,743	87,430	211,681
Total General Property Taxes	104,612,224	130,936,429	192,527,446	195,354,111	215,079,082
School Polls°	82	-------	-------	0	0
Special Taxes*	1,070,495	4,119,457	7,200,213	7,495,191	8,167,921
Special Assessments-Cities, Villages	9,057,660	13,538,595	32,559,838	36,861,575	39,926,975
Special Assessments-Rural Districts**	505,562	1,062,393	1,382,988	1,633,849	1,957,446
Total Taxes and Special Assessments	116,046,024	149,656,874	233,670,484	241,344,727	265,131,425

TABLE 13.16

SUMMARY OF TRUE & FULL ASSESSED, AND TAXABLE VALUATIONS AS EQUALIZED BY THE STATE BOARD OF EQUALIZATION, 1982-1986

Agricultural					
Year	Acres Assessed	Avg. True & Full Value Per Acre	True & Full Value	Assessed Value	Taxable Value
1982	$ 40,141,842	$ 224.11	$ 8,998,465,191	$ 4,671,190,186	$ 449,919,028
1983	40,149,972	214.76	8,622,449,633	4,311,227,861	431,123,793
1984	40,129,510	230.03	9,230,889,556	4,618,417,129	461,834,077
1985	40,120,251	215.18	8,633,030,407	4,316,511,984	431,653,374
1986	40,111,376	213.76	8,574,324,477	4,287,145,540	428,716,789
1987	40,078,785	213.08	8,539,890,462	4,269,943,739	426,998,287

Residential					
Year	Lots and Tracts	Structures	True & Full Value	Assessed Value	Taxable Value
1982	$ 974,651,558	$ 4,630,382,293	$ 5,605,033,851	$ 2,802,245,912	$ 252,319,931
1983	975,672,236	4,808,626,834	5,784,299,070	2,892,150,361	260,349,174
1984	1,005,060,000	5,005,725,261	6,010,785,827	3,005,216,448	270,488,039
1985	1,075,497,378	5,091,369,532	6,166,866,910	3,083,434,283	277,511,839
1986	1,085,150,215	5,076,024,399	6,161,174,614	3,080,286,795	277,257,596
1987	1,087,081,034	5,056,279,538	6,143,360,572	3,071,679,117	276,457,668

TABLE 13.17

RATIO OF ASSESSED VALUATION OF EACH CLASS OF PROPERTY TO TOTAL GENERAL PROPERTY ASSESSED VALUATION IN NORTH DAKOTA, SELECTED YEARS, 1935-1986

Year	Farm	Other Real Estate	Homestead Credit Allowance	Personal	Railroad and Utility
1935	58.46	14.43	-----	10.87	16.24
1940	56.21	15.87	-----	11.89	16.03
1945	51.59	15.66	-----	16.14	16.61
1950	47.99	16.77	-----	20.13	15.00
1955	43.66	18.84	-----	22.96	14.54
1960	42.08	21.17	-----	21.37	14.38
1965	41.38	26.18	-----	19.76	12.68
1970	51.73	36.89	(.26)	0.03	11.61
1975	51.89	38.90	(.41)	0.03	9.59
1976	50.34	41.00	(.41)	0.03	9.04
1977	52.50	39.60	(.72)	0.02	8.60
1978	50.51	41.61	(.79)	0.02	8.65
1979	48.62	43.50	(.73)	0.02	8.59
1980	47.93	44.46	(.82)	0.02	8.41
1981	49.36	44.36	(.81)	0.00	7.08
1982	47.79	45.43	(.74)	0.00	7.51
1983	45.08	46.28	(.64)	0.00	9.27
1984	46.15	45.97	(.58)	0.00	8.45
1985	43.91	48.38	(.53)	0.00	8.24
1986	43.74	48.63	(.57)	0.00	8.19
1987	43.73	48.71	(.56)	0.00	8.12

SOURCE: North Dakota Tax Dept., Property Tax Statistical Report, 1987.

* Effective in 1970 pursuant to Section 57-02-08.1, NDCC, (added by Chapter 470, S.L., 1969).

TABLE 13.15--Continued

	1983	1984	1985	1986
Rural Real Estate	$ 97,118,475	$ 104,294,708	$ 106,224,274	$ 109,562,441
Rural Personal Property	0	0	0	0
City & Village Real Estate	113,761,516	124,181,151	134,237,286	141,567,247
City & Village Personal Property	0	0	0	0
Railroad Property	1,011,710	1,646,722	2,067,111	2,474,237
Telephone Property	6,308,991	5,231,240	5,389,772	5,582,370
Telegraph Property	23,013	23,226	17,690	14,796
Electric, Gas & Heating Property	4,712,216	5,380,024	5,333,484	5,449,973
Pipe Line Property	6,915,075	6,179,326	5,956,341	6,160,820
Other	0	0	0	0
Tax Increments	0	0	0	0
Total General Property Taxes	229,851,002	246,936,402	259,225,962	270,811,885
School Polls	0	0	0	0
Special Taxes*	8,885,777	10,366,518	11,623,592	12,437,459
Special Assessments-Cities & Village	41,292,131	43,819,488	44,883,967	44,419,893
Special Assessments-Rural Districts**	2,160,197	2,133,391	2,599,821	2,571,259
Total Taxes and Special Assessments	282,195,109	303,255,800	318,333,344	330,240,496

SOURCE: North Dakota Tax Dept., Property Tax Statistical Report, 1986.

* Grain, Mutual Telephone, Bank Building and Loan (including Savings and Loan Associations), Mobile Homes, beginning with the years 1962, Rural Electric Cooperative, Mineral Reservation Taxes, Woodland and Game Management Taxes.

** Irrigation, Water Management, Weeds, Drains, Garbage and Snow Removal.

TABLE 13.16--Continued

Year	Commercial Lots & Tracts	Structures	True & Full Value	Assessed Value	Taxable Value
1982	$ 776,370,704	$ 2,732,393,609	$ 3,508,764,313	$ 1,754,398,852	$ 175,420,401
1983	795,156,443	2,851,264,534	3,646,420,977	1,823,210,515	182,304,930
1984	802,088,278	2,987,698,966	3,789,787,244	1,894,714,344	189,474,416
1985	816,535,850	3,144,814,791	3,961,350,641	1,980,675,872	198,068,637
1986	802,171,225	3,185,733,575	3,987,904,800	1,993,951,604	199,396,238
1987	790,668,430	3,193,736,272	3,984,404,702	1,992,202,011	199,220,790

Year	Total Taxable Value of Real Property	Homestead Credit Allowance	Taxable Value after Homestead Credit Allow.	Railroads & Public Utilities	Total Taxable Value of all Property
1982	$ 877,659,360	$ 6,939,970	$ 870,719,390	$ 70,789,727	$ 941,509,117
1983	873,777,897	6,125,676	867,652,221	88,680,116	956,332,337
1984	921,796,532	5,831,246	915,965,286	84,680,068	1,000,645,354
1985	907,233,850	5,209,908	902,023,942	81,104,659	983,128,601
1986	905,370,623	5,619,025	899,751,598	80,388,963	980,140,561
1987	902,676,745	5,456,717	897,220,028	79,286,630	976,506,658

SOURCE: North Dakota Tax Department, Property Tax Statistical Report, 1987.

TABLE 13.18

TOTAL STATE AND LOCAL PROPERTY AND SPECIAL TAXES: BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1980

County	1970	1975	1980	1981	1982
NORTH DAKOTA	$106,482,801	$135,055,887	$199,727,658	$202,849,302	$223,247,003
Adams	809,305	1,095,948	1,484,742	1,502,097	1,543,775
Barnes	2,892,764	3,459,516	5,104,120	4,927,147	5,192,599
Benson	1,315,990	1,715,351	2,291,068	2,402,858	2,491,568
Billings	242,684	277,496	131,249	293,761	364,955
Bottineau	1,982,879	2,359,981	3,357,380	3,461,660	3,640,228
Bowman	719,950	1,055,192	1,171,263	1,169,434	1,119,888
Burke	933,265	1,040,450	1,209,892	1,203,421	1,292,055
Burleigh	6,810,503	10,087,549	18,944,114	18,156,194	20,715,349
Cass	14,149,011	19,298,053	28,885,209	28,778,194	31,125,385
Cavalier	1,801,502	2,386,523	2,954,134	2,790,281	3,245,551
Dickey	1,227,954	1,534,792	2,210,805	2,170,330	2,384,323
Divide	1,013,264	1,286,276	1,704,178	1,618,509	1,700,575
Dunn	847,604	1,046,397	1,269,608	1,409,298	1,663,235
Eddy	746,970	839,325	1,263,413	1,290,831	1,384,704
Emmons	977,677	1,367,266	1,848,669	1,797,390	1,929,705
Foster	894,404	1,072,874	1,665,008	1,629,916	1,664,699
Golden Valley	539,877	700,916	887,297	849,419	998,661
Grand Forks	9,089,172	11,927,347	17,149,811	16,711,228	17,141,820
Grant	970,878	1,025,911	1,403,340	1,412,746	1,515,433
Griggs	870,440	1,099,744	1,580,207	1,512,509	1,554,638
Hettinger	1,060,742	1,125,274	1,491,629	1,501,384	1,675,117
Kidder	731,282	1,001,723	1,284,104	1,283,629	1,283,486
LaMoure	1,322,051	1,612,857	2,100,425	2,073,623	2,228,913
Logan	682,306	866,257	1,121,689	1,214,831	1,248,216
McHenry	1,676,700	1,888,802	2,257,018	2,535,582	2,660,172
McIntosh	958,064	1,038,902	1,330,925	1,263,128	1,541,775
McKenzie	947,278	1,310,110	1,679,896	1,760,531	2,159,570
McLean	1,772,001	2,132,860	3,406,385	3,454,609	3,580,903
Mercer	851,773	1,065,001	3,670,229	2,556,086	2,971,056
Morton	3,057,985	4,027,518	6,726,945	7,733,551	8,439,736

TABLE 13.18--Continued

County	1970	1975	1980	1981	1982
Mountrail	1,438,610	1,705,539	1,965,229	2,252,519	2,438,859
Nelson	1,276,771	1,569,369	2,048,478	2,161,223	2,419,537
Oliver	485,826	535,172	715,576	800,830	879,570
Pembina	2,348,269	2,817,525	3,550,306	3,832,724	4,090,679
Pierce	1,204,359	1,352,489	1,956,507	1,980,233	2,290,178
Ramsey	2,405,118	3,050,108	4,569,616	4,561,370	5,082,558
Ransom	1,061,420	1,471,907	2,163,888	2,217,019	2,306,105
Renville	883,227	1,013,245	1,223,125	1,196,845	1,261,401
Richland	3,257,657	4,116,385	6,070,261	6,161,125	6,660,791
Rolette	889,097	1,093,921	1,732,494	1,880,727	2,150,235
Sargent	944,675	1,290,069	1,744,151	1,709,880	1,977,698
Sheridan	608,118	744,866	936,001	997,371	1,070,358
Sioux	244,097	349,519	453,541	456,912	470,501
Slope	420,438	504,273	581,902	556,073	494,319
Stark	2,622,783	3,411,000	6,011,869	7,138,361	9,332,846
Steele	983,334	1,202,801	1,704,129	1,835,446	2,058,669
Stutsman	4,038,632	5,050,091	7,512,616	7,399,943	7,835,043
Towner	1,072,927	1,308,782	1,830,491	1,960,668	2,182,001
Traill	2,091,133	2,559,949	3,634,841	3,602,278	4,041,032
Walsh	3,157,007	3,813,537	5,650,228	5,635,745	5,938,513
Ward	8,040,962	9,359,027	13,058,662	14,034,900	15,462,853
Wells	1,406,413	1,751,885	2,552,571	2,490,188	2,582,815
Williams	3,654,857	4,230,218	6,476,428	7,522,724	9,761,329

TABLE 13.18--Continued

County	1983	1984	1985	1986
NORTH DAKOTA	$238,736,780	$257,302,920	$270,849,556	$270,811,884
Adams	1,606,501	1,666,171	1,773,382	1,789,255
Barnes	5,405,500	5,716,936	5,817,653	5,765,792
Benson	2,568,122	2,680,614	2,713,078	2,726,147
Billings	370,394	462,756	505,125	308,787
Bottineau	3,755,956	4,012,063	4,040,677	3,899,737
Bowman	1,257,088	1,427,054	1,416,613	1,526,921
Burke	1,311,776	1,416,951	1,432,952	1,355,258
Burleigh	22,221,741	24,329,449	26,890,018	27,103,435
Cass	31,931,513	34,888,460	37,832,711	39,316,857
Cavalier	3,549,015	3,763,265	3,849,162	3,831,237
Dickey	2,620,758	2,671,174	2,752,173	2,670,586
Divide	1,849,092	1,890,513	1,827,240	1,732,226
Dunn	2,364,373	2,414,141	2,403,575	2,198,202
Eddy	1,513,549	1,543,364	1,530,836	1,515,024
Emmons	2,251,180	2,557,185	2,547,641	2,626,442
Foster	1,750,781	1,920,510	1,984,846	1,904,362
Golden Valley	1,125,773	1,151,869	1,291,407	1,137,939
Grand Forks	18,624,203	20,924,522	23,257,271	25,188,084
Grant	1,564,863	1,663,671	1,739,034	1,701,851
Griggs	1,654,488	1,829,075	2,046,758	1,956,702
Hettinger	1,742,281	1,855,867	2,028,567	2,040,193
Kidder	1,376,444	1,425,417	1,440,543	1,396,204
LaMoure	2,324,736	2,581,479	2,667,164	2,628,630
Logan	1,341,977	1,444,133	1,429,174	1,414,924
McHenry	2,860,550	2,988,346	3,080,346	2,835,018
McIntosh	1,659,532	1,837,660	1,982,081	2,002,274
McKenzie	2,486,960	2,810,063	2,884,080	2,471,457
McLean	3,625,502	3,510,803	3,618,925	3,397,049
Mercer	3,499,036	3,839,000	4,079,997	3,654,235
Morton	9,822,491	10,497,030	10,604,246	10,739,023

TABLE 13.18--Continued

County	1983	1984	1985	1986
Mountrail	2,580,416	2,868,152	3,039,933	2,847,474
Nelson	2,533,765	2,656,109	2,730,929	2,504,427
Oliver	842,041	862,966	883,732	776,154
Pembina	4,512,644	4,828,062	5,023,731	5,024,480
Pierce	2,341,825	2,342,782	2,558,459	2,559,393
Ramsey	5,451,246	5,712,101	5,580,313	5,495,742
Ransom	2,466,841	2,667,330	2,690,395	2,639,815
Renville	1,343,017	1,413,620	1,486,512	1,386,735
Richland	7,071,098	7,442,818	7,724,174	8,240,075
Rolette	2,177,712	2,205,862	2,264,414	2,260,397
Sargent	2,036,270	2,289,831	2,324,638	2,285,188
Sheridan	1,146,495	1,220,499	1,258,674	1,184,029
Sioux	432,990	451,360	463,640	405,500
Slope	444,849	502,254	508,896	488,993
Stark	9,353,819	9,579,442	9,817,291	9,735,222
Steele	2,036,260	2,273,241	2,340,723	2,321,665
Stutsman	8,780,902	10,021,087	10,352,508	10,356,419
Towner	2,323,095	2,518,308	2,665,645	2,555,117
Traill	4,267,844	4,510,645	4,916,196	4,747,103
Walsh	6,264,453	6,741,787	7,048,481	6,961,865
Ward	17,111,445	18,647,512	19,533,381	19,925,398
Wells	2,770,844	2,877,363	2,958,572	2,909,124
Williams	10,410,734	10,950,247	11,211,039	10,367,722

SOURCE: North Dakota State Tax Dept., Property Tax Statistical Report, various years.

TABLE 13.19

TAXABLE VALUATION OF PROPERTY SUBJECT TO THE GENERAL PROPERTY TAX BY NORTH DAKOTA COUNTY, 1970 AND 1980 - 1985 (50% of Assessed Valuation)

County	1970	1980	1981	1982	1983	1984	1985
North Dakota	$612,318,895	$872,910,494	$919,137,468	$942,817,289	$956,531,174	$999,942,014	$981,350,136
Adams	5,231,390	8,094,722	6,824,849	6,837,424	6,073,615	6,536,798	6,518,518
Barnes	16,146,505	22,856,614	23,207,411	22,564,740	22,910,645	24,014,481	22,952,358
Benson	8,151,717	10,752,281	12,031,326	11,916,726	11,650,075	12,199,003	11,410,818
Billings	2,410,090	4,114,246	4,809,338	5,204,268	5,572,619	6,478,062	6,293,387
Bottineau	12,146,867	13,777,959	16,492,419	16,494,641	16,108,667	16,889,851	16,391,284
Bowman	4,896,981	6,719,958	7,009,362	7,057,547	6,145,566	6,400,205	6,409,621
Burke	5,872,301	6,446,965	6,821,148	6,755,084	6,323,531	6,748,355	6,525,737
Burleigh	34,240,300	66,742,576	65,238,156	68,236,924	69,471,518	72,845,011	74,937,102
Cass	67,235,309	109,576,789	111,385,846	115,189,002	119,432,987	123,312,323	126,172,662
Cavalier	11,351,020	15,402,560	16,336,796	17,573,005	17,500,509	18,639,887	17,611,536
Dickey	7,952,329	11,464,919	12,384,757	12,564,627	12,491,644	13,055,112	12,027,409
Divide	5,729,265	7,621,530	8,486,971	8,679,341	8,302,442	8,721,186	7,746,542
Dunn	6,418,464	7,059,065	7,976,729	8,336,912	13,960,978	13,114,215	12,107,006
Eddy	4,431,072	5,509,936	5,821,986	6,142,455	6,136,595	6,648,601	6,654,433
Emmons	6,907,905	10,880,431	9,605,312	9,856,789	12,544,393	13,244,056	12,379,791
Foster	6,037,111	8,590,083	8,278,127	8,186,305	8,326,370	8,612,037	8,636,555
Golden Valley	4,266,691	5,530,759	5,209,700	5,118,696	4,680,400	5,012,916	4,644,308
Grand Forks	43,615,491	63,694,450	64,656,998	63,076,880	62,625,430	65,070,429	66,396,196
Grant	6,075,768	7,041,072	8,630,765	8,556,572	7,933,146	8,226,814	7,887,522
Griggs	5,796,274	6,850,177	7,316,327	7,217,833	7,212,961	7,951,574	7,599,149
Hettinger	7,179,257	7,910,986	7,980,400	7,767,690	7,416,696	7,853,432	7,550,296
Kidder	4,956,757	7,150,961	7,848,322	7,619,680	7,047,157	7,628,958	7,192,379
LaMoure	8,016,814	12,500,169	12,577,766	12,518,134	12,543,463	13,268,681	12,021,913
Logan	4,566,126	6,255,934	6,626,050	6,609,959	5,996,426	6,515,906	6,135,863
McHenry	9,806,033	11,045,271	12,874,164	12,996,126	12,564,041	13,479,431	12,825,695
McIntosh	6,246,121	7,210,045	7,497,721	9,601,672	9,172,609	10,023,467	9,678,757
McKenzie	7,109,946	10,068,497	11,801,555	14,126,247	17,588,084	17,948,841	17,788,083
McLean	10,755,227	16,547,124	17,237,033	17,512,112	16,644,693	17,952,414	17,624,766
Mercer	5,862,307	17,112,530	10,611,231	11,399,185	12,549,844	14,111,900	13,932,894
Morton	20,568,752	30,169,995	31,062,159	32,314,472	38,583,279	38,861,013	37,742,113

TABLE 13.19--Continued

County	1970	1980	1981	1982	1983	1984	1985
Mountrail	8,163,250	9,110,078	11,249,715	11,398,446	10,615,267	11,351,032	10,754,904
Nelson	7,999,325	9,108,704	10,019,466	9,994,426	9,742,149	10,854,257	10,444,425
Oliver	2,984,958	3,787,273	4,338,436	4,690,251	4,314,204	4,401,244	4,274,280
Pembina	16,547,895	16,906,432	22,868,824	21,568,157	22,119,073	23,337,127	22,387,762
Pierce	7,532,025	9,168,633	9,628,793	9,457,524	9,288,582	9,930,591	9,653,891
Ramsey	13,502,232	17,918,447	18,272,415	18,523,347	18,782,323	20,019,082	19,398,485
Ransom	6,986,170	9,075,023	10,533,365	10,885,099	11,332,334	11,496,247	11,030,899
Renville	5,335,060	6,526,229	6,583,806	6,569,895	6,241,756	6,807,612	6,891,859
Richland	19,929,720	25,956,684	28,788,501	28,992,519	30,275,600	30,438,424	29,748,878
Rolette	5,317,385	7,772,623	8,305,545	8,626,785	8,532,305	8,798,675	8,411,995
Sargent	6,300,279	8,207,447	9,606,131	9,522,369	10,050,781	10,061,280	9,254,544
Sheridan	4,037,048	4,677,782	5,603,390	5,574,631	5,175,826	5,648,873	5,484,633
Sioux	1,838,591	2,430,836	2,281,251	2,285,350	1,957,055	2,046,361	1,800,750
Slope	3,283,355	3,552,455	4,236,879	4,268,320	3,526,190	3,663,695	3,483,911
Stark	15,520,066	26,410,008	28,735,833	33,898,361	30,856,508	30,932,590	30,706,166
Steele	6,507,674	8,253,007	9,157,406	9,077,282	8,785,748	9,414,307	8,953,589
Stutsman	22,397,818	35,921,076	39,022,242	38,918,463	37,941,851	40,372,635	39,672,533
Towner	7,043,567	8,189,190	10,571,463	10,446,210	10,385,964	11,024,806	10,201,080
Traill	13,082,368	18,144,255	18,565,116	18,152,630	18,706,240	19,653,804	18,529,587
Walsh	18,125,968	22,999,447	27,322,532	25,737,533	25,014,747	26,313,832	25,588,636
Ward	38,493,708	54,261,411	55,296,998	55,672,936	58,309,250	60,934,421	61,858,551
Wells	9,941,288	13,839,985	13,075,318	12,939,009	12,825,731	13,785,078	13,362,238
Williams	21,388,955	26,923,865	30,433,319	37,586,698	36,241,307	37,291,082	35,661,847

SOURCE: North Dakota Tax Dept., Property Tax Statistical Report, various years.

TABLE 13.20

TAXABLE VALUATION OF PROPERTY SUBJECT TO THE GENERAL PROPERTY TAX-1985

County	Woodland Acres	Total Acres	Agricultural Land	Residential Property	Commercial Property	Total Real Estate	Railroad and Public Utility Property	Grand Total
Adams		609,690	$3,866,687	$1,330,521	$800,701	$5,997,909	$520,609	$6,518,518
Barnes		924,199	14,190,588	4,668,964	2,609,503	21,469,055	1,483,303	22,952,358
Benson		806,580	8,972,872	919,127	726,017	10,618,016	792,802	11,410,818
Billings		363,116	1,775,999	154,801	2,390,321	4,321,121	1,972,266	6,293,387
Bottineau		1,023,825	11,128,538	3,144,628	1,264,789	15,537,955	853,329	16,391,284
Bowman		669,712	3,378,327	1,710,573	804,406	5,893,306	516,315	6,409,621
Burke		650,783	5,097,504	748,179	428,683	6,274,366	251,371	6,525,737
Burleigh		1,029,531	6,951,505	38,808,991	25,378,794	71,139,290	3,797,812	74,937,102
Cass		927,607	22,938,826	52,989,001	42,977,788	118,905,615	7,267,047	126,172,662
Cavalier		707,936	13,844,120	2,316,237	1,116,747	17,277,104	334,432	17,611,536
Dickey		782,714	8,482,498	1,912,442	1,086,180	11,481,120	546,289	12,027,409
Divide		1,000,207	5,912,010	941,050	591,104	7,444,164	302,378	7,746,542
Dunn		382,514	5,402,744	859,451	395,893	6,658,088	5,448,918	12,107,006
Eddy		929,090	4,837,315	955,674	499,472	6,292,461	361,972	6,654,433
Emmons		400,062	7,036,706	1,286,489	461,239	8,784,434	3,595,357	12,379,791
Foster		509,148	5,366,490	1,506,054	1,123,763	7,996,307	640,248	8,636,555
Golden Valley		868,300	2,627,170	931,182	441,379	3,999,731	644,577	4,644,308
Grand Forks	1,745	863,300	16,879,384	26,554,788	18,980,973	62,415,145	3,981,051	66,396,196
Grant		1,016,593	6,231,362	897,740	349,280	7,478,382	409,140	7,887,522
Griggs		444,228	6,067,003	880,478	436,034	7,383,515	215,634	7,599,149
Hettinger		706,098	5,470,272	1,215,987	512,529	7,198,788	351,508	7,550,296
Kidder		824,368	5,872,336	662,652	286,216	6,821,204	371,175	7,192,379
LaMoure		720,583	9,603,333	1,375,785	616,004	11,595,122	426,791	12,021,913
Logan		612,883	4,876,589	729,728	294,076	5,900,393	235,470	6,135,863
McHenry		1,127,704	9,450,010	1,366,198	895,801	11,712,009	1,113,686	12,825,695
McIntosh		600,734	5,324,012	1,384,188	481,135	7,189,335	2,489,422	9,678,757
McKenzie		1,050,808	6,341,956	1,867,846	1,665,506	9,875,308	7,912,775	17,788,083
McLean		1,153,005	10,341,317	4,545,446	2,075,426	16,962,189	662,577	17,624,766
Mercer		584,644	3,736,067	5,043,187	3,565,047	13,144,301	788,593	13,932,894
Morton		1,173,332	7,868,571	11,330,009	9,740,278	28,938,858	8,803,255	37,742,113

TABLE 13.20--Continued

County	Woodland Acres	Total Acres	Agricultural Land	Residential Property	Commercial Property	Real Estate	Railroad and Public Utility Property	Grand Total
Mountrail		1,033,693	$7,462,925	$1,770,597	$809,397	$10,042,919	$711,985	$10,754,904
Nelson		615,567	8,223,754	968,688	759,650	9,952,092	492,333	10,444,425
Oliver		440,300	2,914,483	687,363	232,514	3,834,360	439,920	4,274,280
Pembina	12,007	687,308	15,690,294	3,174,620	2,900,268	21,765,182	622,580	22,387,762
Pierce		640,795	5,960,753	1,808,776	1,037,805	8,807,334	846,557	9,653,891
Ramsey		732,148	9,798,497	4,514,657	3,851,859	18,165,013	1,233,472	19,398,485
Ransom		495,581	8,043,623	1,706,881	684,293	10,434,797	596,102	11,030,899
Renville		535,442	5,526,501	856,434	357,321	6,740,256	151,603	6,891,859
Richland		865,809	18,037,955	5,557,351	4,463,376	28,058,682	1,690,196	29,748,878
Rolette		487,887	5,460,650	1,557,330	953,846	7,971,826	440,169	8,411,995
Sargent		524,751	7,397,625	810,835	589,069	8,797,529	457,015	9,254,544
Sheridan		566,037	4,579,553	280,256	172,083	5,031,892	452,741	5,484,633
Sioux		365,056	1,631,788	99,249	39,212	1,770,249	30,501	1,800,750
Slope		611,660	3,348,454	34,384	18,244	3,401,082	82,829	3,483,911
Stark		824,862	5,501,179	13,849,731	8,878,275	28,229,185	2,476,981	30,706,166
Steele		449,274	7,795,176	411,906	424,033	8,631,115	322,474	8,953,589
Stutsman		1,359,356	16,043,945	10,065,970	11,127,964	37,237,879	2,434,654	39,672,533
Towner		647,659	8,301,118	949,519	703,346	9,953,983	247,097	10,201,080
Traill		536,476	12,597,584	2,821,106	2,427,475	17,846,165	683,422	18,529,587
Walsh	2,037	804,190	16,723,512	4,957,392	3,099,031	24,779,935	808,701	25,588,636
Ward		1,228,617	12,665,677	27,949,422	18,254,249	58,869,348	2,989,203	61,858,551
Wells		789,382	9,683,988	1,775,805	1,081,355	12,541,148	821,090	13,362,238
Williams		1,339,537	8,535,917	12,312,708	9,832,858	30,681,483	4,980,364	35,661,847
Grand Total	15,789	40,303,895	431,797,062	272,758,376	195,692,607	900,248,045	81,102,091	981,350,136

SOURCE: Abstract of Tax List Filed by County Auditor, 1987.

TABLE 13.21

GENERAL PROPERTY AND SPECIAL TAXES LEVIED BY STATE AND ITS POLITICAL SUBDIVISIONS - 1985

County	Total State and Local Property and Special Taxes	State Taxes State Medical Center	R.E. Coop, Bank, Savings & Loan Mobile Homes, Woodland & Game Management Area Taxes	Total State Taxes
Adams	$ 1,773,382.18	$ 6,516.82	$ 134.18	$ 6,651.00
Barnes	5,817,653.32	22,962.06	959.82	23,921.88
Benson	2,713,078.14	11,410.82	444.73	11,855.55
Billings	505,125.44	6,293.39	2,230.75	8,524.14
Bottineau	4,040,677.15	16,391.28	1,013.61	17,404.89
Bowman	1,416,613.00	6,409.62	654.91	7,064.53
Burke	1,432,951.63	6,525.74	310.06	6,835.80
Burleigh	26,890,018.40	74,937.00	2,318.24	77,255.24
Cass	37,832,711.09	126,172.66	4,081.06	130,253.72
Cavalier	3,849,162.04	17,611.54	586.92	18,198.46
Dickey	2,752,173.46	12,027.95	337.41	12,365.36
Divide	1,827,240.18	7,746.54	309.52	8,056.06
Dunn	2,403,574.62	12,106.39	1,310.56	13,416.95
Eddy	1,530,836.04	6,654.43	183.50	6,837.93
Emmons	2,547,641.36	12,379.79	353.57	12,733.36
Foster	1,984,846.22	8,637.45	369.19	9,006.64
Golden Valley	1,291,407.29	4,644.31	209.98	4,854.29
Grand Forks	23,257,271.26	66,396.28	2,324.85	68,721.13
Grant	1,739,034.18	7,887.52	349.93	8,237.45
Griggs	2,046,758.46	7,599.13	377.22	7,976.35
Hettinger	2,028,567.29	7,572.52	209.26	7,781.78
Kidder	1,440,543.02	7,192.38	439.27	7,631.65
LaMoure	2,667,163.56	12,021.91	361.78	12,383.69
Logan	1,429,174.13	6,135.86	181.37	6,317.23
McHenry	3,080,346.45	12,825.70	1,987.29	14,812.99
McIntosh	1,982,081.23	9,678.76	316.72	9,995.48
McKenzie	2,884,080.27	17,788.06	3,315.74	21,103.80
McLean	3,618,925.89	17,624.76	1,128.11	18,752.87
Mercer	4,079,996.63	13,932.89	1,188.64	15,121.53
Morton	10,604,245.97	37,742.11	1,058.75	38,800.86

TABLE 13.21--Continued

County	Total State and Local Property and Special Taxes	State Taxes State Medical Center	R.E. Coop, Bank, Savings & Loan Mobile Homes, Woodland & Game Management Area Taxes	Total State Taxes
Mountrail	$ 3,039,932.62	$ 10,754.90	$ 525.72	$ 11,280.62
Nelson	2,730,928.95	10,444.43	419.22	10,863.65
Oliver	883,732.44	4,274.28	517.12	4,791.40
Pembina	5,023,731.15	22,387.76	966.89	23,354.65
Pierce	2,558,458.95	9,653.89	421.53	10,075.42
Ramsey	5,580,312.93	19,387.08	901.48	20,288.56
Ransom	2,690,394.60	11,030.73	501.85	11,532.58
Renville	1,486,511.71	6,891.86	348.83	7,240.69
Richland	7,724,174.28	29,748.88	1,166.84	30,915.72
Rolette	2,264,414.26	8,412.00	468.23	8,880.23
Sargent	2,324,638.39	9,254.77	483.59	9,738.36
Sheridan	1,258,673.87	5,484.45	329.81	5,814.26
Sioux	463,640.10	1,800.75	106.53	1,907.28
Slope	508,896.20	3,483.91	142.09	3,626.00
Stark	9,817,291.15	30,681.53	967.78	31,649.31
Steele	2,340,722.87	8,955.87	317.47	9,273.34
Stutsman	10,352,508.20	39,672.73	1,107.11	40,779.84
Towner	2,665,644.53	10,201.08	503.27	10,704.35
Traill	4,916,195.99	18,527.13	643.00	19,170.13
Walsh	7,048,480.92	25,588.64	1,143.44	26,732.08
Ward	19,533,380.74	61,858.55	2,764.71	64,623.26
Wells	2,958,571.52	13,381.73	552.87	13,934.60
Williams	11,211,039.41	35,661.91	2,747.68	38,409.59
Total	270,849,555.68	981,364.53	47,094.00	1,028,458.53

SOURCE: North Dakota Tax Dept., Property Taxes Levied and Property Valuation, 1986.

TABLE 13.23

MILL LEVIES IN NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES,
SELECTED YEARS, 1970-1984

Municipality	1970	1975	1980	1981	1984
Fargo - Total Mill Levy	252.83	269.60	297.26*	294.81	314.26
State & County Levy	44.78	28.11	34.77	44.11	51.33
City Levy	61.15	56.44	47.40	59.53	53.21
Park District Levy	10.91	14.58	20.20	28.55	23.78
School District Levy	135.99	170.47	193.89	161.62	173.30
Other	------	------	------	1.00	12.64
Grand Forks - Total Mill Levy	248.18	261.59	303.06	303.78	376.79
State & County Levy	49.54	35.64	40.58	56.74	60.89
City Levy	61.14	64.82	70.97	79.99	110.12
Park District Levy	12.65	15.91	17.55	26.21	27.94
School District Levy	124.85	145.58	173.90	140.24	177.84
Bismarck - Total Mill Levy	214.37	241.13	299.51	296.70	344.03
State & County Levy	40.51	29.16	35.48	34.09	42.79
City Levy	61.28	63.18	77.48	91.59	103.74
Park District Levy	9.41	14.27	14.83	18.16	20.49
School District Levy	103.17	134.52	173.72	152.86	177.01
Other	------	------	------	------	1.12
Minot - Total Mill Levy	240.90	238.59	252.44	275.44	331.88
State & County Levy	53.09	41.31	42.84	52.18	59.55
City Levy	68.24	78.90	84.69	90.79	117.22
Park District Levy	8.09	12.43	12.52	17.95	20.13
School District Levy	110.67	105.95	112.39	114.52	134.98
Jamestown - Total Mill Levy	226.84	233.08	249.07	228.95	310.75
State & County Levy	48.62	41.30	34.42	47.19	65.99
City Levy	67.78	66.87	76.68	84.92	99.93
Park District Levy	14.48	16.14	17.85	21.14	27.18
School District Levy	95.96	98.77	120.12	75.70	113.65
Dickinson - Total Mill Levy	210.46	234.00	260.14	273.36	340.72
State & County Levy	47.02	33.31	32.93	46.00	62.31
City Levy	52.47	61.31	63.71	71.37	108.79
Park District Levy	7.43	7.87	10.80	12.82	18.82
School District Levy	103.54	131.51	152.70	143.17	150.80
Williston - Total Mill Levy	214.49	233.82	265.56*	272.62	339.46
State & County Levy	48.23	47.61	57.73	71.20	71.50
City Levy	54.04	59.98	67.95	91.38	132.54
Park District Levy	11.06	10.92	11.66	11.39	12.98
School District Levy	101.16	105.31	127.22	97.80	120.50
Other	------	------	------	0.85	1.94
Mandan - Total Mill Levy	176.68	214.80	257.40	288.48	336.21
State & County Levy	49.30	46.07	49.97	68.19	77.60
City Levy	59.14	65.35	65.71	80.97	88.77
Park District Levy	14.00	16.08	17.01	17.22	20.43
School District Levy	54.24	87.31	120.71	118.39	144.92
Other	------	------	------	3.71	4.49

TABLE 13.23--Continued

Municipality	1970	1975	1980	1981	1984
Valley City - Total Mill Levy	245.17	252.56	283.82	271.13	312.33
State & County Levy	63.49	49.29	51.00	56.72	67.30
City Levy	59.91	60.13	64.47	79.09	89.71
Park District Levy	6.71	8.00	8.00	8.40	10.99
School District Levy	115.06	135.14	159.35	126.92	144.33
Devils Lake - Total Mill Levy	222.33	244.36	328.03	333.37	372.71
State & County Levy	59.84	50.34	51.46	56.48	69.75
City Levy	62.02	59.65	85.51	98.89	104.52
Park District Levy	12.19	13.50	14.28	19.14	23.09
School District Levy	88.28	120.87	176.78	165.86	175.35
Wahpeton - Total Mill Levy	200.53	238.53	297.44	281.25	325.16
State & County Levy	65.50	48.76	56.88	58.83	63.60
City Levy	49.99	65.33	80.02	82.92	100.70
Park District Levy	11.08	15.06	16.06	19.45	27.46
School District Levy	73.96	109.38	144.48	120.05	133.40
Grafton - Total Mill Levy	232.88	253.62	346.80	316.25	348.54
State & County Levy	58.18	38.15	51.80	48.41	66.85
City Levy	49.77	70.74	66.41	70.78	85.26
Park District Levy	8.82	10.00	13.27	13.65	13.45
School District Levy	116.11	134.73	215.32	183.41	183.03
West Fargo - Total Mill Levy	198.27	230.00	262.73	260.80	285.28
State & County Levy	44.78	28.11	34.77	43.61	51.32
City Levy	44.16	57.28	58.19	65.91	30.80
Park District Levy	10.00	13.46	12.47	15.84	20.28
School District Levy	99.33	131.15	156.30	134.44	148.87
Other	------	------	------	1.00	34.08
Rugby - Total Mill Levy	191.77	194.68	231.65	244.61	281.16
State & County Levy	59.87	50.05	55.62	60.27	71.02
City Levy	51.77	54.54	55.20	75.23	85.84
Park District Levy	5.50	4.00	5.41	10.44	11.69
School District Levy	74.63	86.09	115.42	98.67	112.61
Bottineau - Total Mill Levy	187.61	195.96	250.22	215.73	250.88
State & County Levy	36.73	49.33	66.45	64.81	66.62
City Levy	61.28	35.55	42.57	44.44	62.74
Park District Levy	9.41	4.00	8.60	------	4.52
School District Levy	103.17	107.08	128.60	102.65	117.00
Other	------	------	------	3.83	------

SOURCE: North Dakota League of Cities, *Taxable Valuation and Tax Levies in North Dakota Cities*, various years.

* Includes watershed mill levy.

Note: Other may include the following districts: fire, ambulance, water management, airport, county park, county library, and vector control.

TABLE 13.26

REVENUES AND EXPENDITURES OF NORTH DAKOTA COUNTIES, SELECTED FISCAL YEARS, 1975-1985

(Millions of Dollars)

	1975	1980	1983	1985
General Revenue	$79.7	$130.6	$157.6	$179.7
Intergovernmental Revenue	33.7	55.4	70.2	81.2
From Federal Government	8.7	11.1	13.4	13.8
From State Government	21.1	40.4	52.4	62.4
General Revenue From Own Sources	46.2	75.2	87.4	98.5
Tax Revenue	41.3	54.3	52.9	61.0
Property Tax	38.8	51.4	50.4	58.8
Other Taxes	2.5	2.9	2.5	2.2
Charges & Miscellaneous	4.7	20.9	34.5	37.5
Direct General Expenditures	60.8	105.5	120.7	161.7
Education	1.9	4.7	5.9	6.7
Highways	26.6	39.8	3.2	65.2
Public Welfare	6.2	11.6	15.0	19.0
Police & Fire Protection	2.8	6.7	8.8	8.7
Health & Hospitals	2.4	1.9	2.9	3.3
Interest on General Debt	0.1	6.7	8.2	8.0
All Other	20.8	34.1	10.7	43.8

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

TABLE 13.22

NORTH DAKOTA MILL RATES, 1970 AND 1980-1985

County	1970	1980	1981	1982	1983	1984	1985
Adams	33.75	49.60	79.28	76.29	87.83	85.69	85.79
Barnes	39.03	50.04	55.64	66.00	63.63	61.91	59.32
Benson	36.06	54.91	64.81	63.25	62.87	65.80	70.02
Billings	22.29	3.32	34.06	34.05	27.93	25.27	26.96
Bottineau	34.69	64.85	63.21	59.67	59.58	62.95	59.25
Bowman	32.89	21.50	35.91	40.25	49.73	50.17	46.65
Burke	35.59	41.80	48.13	50.33	54.88	57.43	44.25
Burleigh	18.99	33.33	33.87	41.63	37.70	42.82	49.86
Cass	21.86	33.17	42.51	51.78	45.70	49.73	48.96
Cavalier	40.34	48.81	48.87	50.21	59.87	60.52	64.52
Dickey	31.58	51.10	57.65	61.96	72.66	67.33	75.19
Divide	36.91	50.52	52.53	54.38	61.97	59.11	53.91
Dunn	24.18	42.56	53.47	56.31	45.53	44.08	48.14
Eddy	44.39	52.03	54.40	61.12	67.07	62.83	60.92
Emmons	31.68	45.27	60.46	59.95	62.52	66.27	59.53
Foster	30.50	51.27	54.70	58.63	61.49	59.41	58.85
Golden Valley	22.62	33.80	39.54	48.10	61.58	60.94	92.85
Grand Forks	25.73	35.62	50.39	51.84	60.41	57.59	55.82
Grant	28.75	40.72	37.98	40.87	47.07	56.68	63.35
Griggs	29.96	50.95	55.85	61.57	72.03	64.05	74.46
Hettinger	31.64	43.66	49.95	62.64	68.86	71.47	84.16
Kidder	30.23	42.79	44.65	43.35	49.49	47.73	44.08
LaMoure	36.09	37.12	44.25	50.86	50.09	55.59	66.03
Logan	30.46	38.54	48.76	50.96	55.97	55.69	60.74
McHenry	31.69	42.70	50.06	51.10	53.58	51.09	55.04
McIntosh	32.29	42.68	45.43	41.47	51.48	50.90	62.01
McKenzie	26.46	41.80	44.54	46.42	37.65	35.93	36.26
McLean	36.86	50.00	55.02	52.97	53.36	37.33	35.99
Mercer	26.25	43.51	59.63	67.04	73.72	69.94	65.85
Morton	30.24	49.97	71.13	74.20	69.21	77.90	74.50

TABLE 13.22--Continued

County	1970	1980	1981	1982	1983	1984	1985
Mountrail	38.50	47.89	58.06	64.21	65.73	67.25	73.72
Nelson	35.63	46.31	53.64	70.20	71.44	66.04	66.46
Oliver	39.45	45.74	59.43	58.91	60.16	50.71	52.23
Pembina	24.85	48.70	43.96	53.36	57.84	56.36	56.50
Pierce	37.28	50.77	60.48	73.53	76.00	66.95	75.06
Ramsey	38.98	46.86	51.81	57.58	67.70	67.38	66.98
Ransom	31.46	59.25	56.08	53.45	57.44	68.11	71.57
Renville	34.25	40.72	46.05	46.89	57.90	59.80	54.06
Richland	40.19	50.78	51.07	56.48	54.67	56.47	55.67
Rolette	34.12	46.74	59.07	60.30	66.89	64.59	63.99
Sargent	28.45	54.52	46.63	55.45	53.24	73.03	73.16
Sheridan	29.30	40.32	43.59	48.90	58.31	50.90	55.33
Sioux	30.98	55.24	67.91	71.54	77.63	78.30	92.88
Slope	34.25	37.75	39.28	28.70	18.49	28.77	24.22
Stark	23.63	31.68	43.58	49.79	57.63	59.97	58.76
Steele	36.66	45.46	46.72	60.24	59.08	66.76	66.21
Stutsman	27.61	33.82	46.63	46.34	54.91	61.94	62.45
Towner	28.93	51.05	50.47	54.63	64.98	58.54	68.87
Traill	37.74	41.21	45.66	61.59	63.61	61.28	77.09
Walsh	30.95	47.80	44.65	55.33	55.66	60.56	72.48
Ward	30.58	43.24	52.68	62.47	58.46	57.95	57.62
Wells	26.25	31.34	42.21	43.85	53.23	52.68	54.17
Williams	27.93	56.85	68.86	75.41	71.13	70.50	69.74

SOURCE: North Dakota Tax Dept., Property Taxes Levied and Property Valuation, various years.

TABLE 13.24

TAXABLE VALUATION OF NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES, SELECTED YEARS, 1970-1984

City	1970	1975	1979	1980	1981	1984
Fargo	$38,304,599	$47,104,708	$64,263,689	$66,493,783	$67,837,737	$76,643,899
Grand Forks	25,809,514	33,272,649	39,641,970	41,162,643	38,650,755	40,298,440
Bismarck	27,073,266	34,200,179	47,699,008	53,133,212	51,141,298	59,730,317
Minot	22,205,983	24,111,033	30,522,474	32,686,892	33,383,623	37,724,446
Jamestown	8,964,154	11,271,617	14,461,380	15,006,016	15,308,158	15,531,554
Dickinson	6,893,559	8,169,965	12,083,215	14,024,179	17,219,522	19,105,779
Williston	8,176,749	8,474,385	8,890,221	10,476,429	13,028,932	15,832,440
Mandan	5,385,480	6,703,128	10,371,831	11,294,229	12,885,442	13,057,521
Valley City	4,009,046	4,378,572	5,058,769	5,205,953	5,165,132	5,486,569
Devils Lake	4,393,240	5,223,050	5,638,305	5,751,337	5,692,897	5,711,591
Wahpeton	3,057,615	3,973,473	4,992,138	5,400,271	6,224,320	6,495,346
West Fargo	2,928,943	4,746,471	7,173,643	7,808,185	8,081,302	8,874,803
Grafton	2,835,035	3,299,668	3,525,922	3,689,881	3,721,890	4,235,095
Rugby	1,639,192	1,925,232	2,321,091	2,410,946	2,494,435	2,634,730
Bottineau	1,921,289	1,570,910	1,908,822	1,994,040	2,166,441	2,198,397

SOURCE: North Dakota League of Cities, Taxable Valuation and Tax Levies in North Dakota Cities, various years.

TABLE 13.25

REVENUES AND EXPENDITURES BY LOCAL GOVERNMENTS IN NORTH DAKOTA, SELECTED FISCAL YEARS, 1965-1985
(Millions of Dollars)

	1965	1970	1975	1980	1983	1985
General Revenue	$137.5	$205.4	$324.0	$561.8	$744.4	$840.0
Intergovernmental Revenue*	32.1	59.3	142.0	252.3	360.0	408.5
From Federal Government	3.1	6.9	24.9	48.4	48.4	68.4
From State Government	29.0	52.4	117.0	203.9	311.2	340.1
General Revenue From Own Sources	105.4	146.1	182.0	309.5	384.4	431.5
Tax Revenue	79.8	110.5	125.9	181.1	222.2	237.4
Property Tax	77.3	106.7	120.3	173.4	214.3	229.2
Other Taxes	2.6	3.8	5.6	7.7	7.9	8.2
Charges & Miscellaneous	25.6	35.7	56.1	128.3	162.2	194.2
Utility System & Liquor Store Revenue	-----	-----	12.6	25.2	33.3	36.5
Direct General Expenditures	141.4	202.8	320.8	603.9	693.0	853.9
Education	79.1	109.3	176.5	259.5	367.0	418.6
Highways	24.0	33.1	44.9	86.4	73.8	103.0
Public Welfare	2.3	3.3	6.3	11.8	15.1	19.2
Police & Fire Protection	5.5	8.3	15.1	35.9	37.9	40.3
Health & Hospitals	1.0	1.5	3.5	3.7	5.2	24.7
Interest on General Debt	3.8	5.9	8.4	27.3	32.8	40.3
All Other	25.8	41.5	66.2	44.5	161.3	167.1
Utility System & Liquor Store Expenditure	-----	-----	20.1	38.5	37.7	40.7

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

* Duplicative intragovernmental transactions are excluded.

TABLE 13.27

REVENUES AND EXPENDITURES OF NORTH DAKOTA MUNICIPALITIES, SELECTED FISCAL YEARS, 1975-1985

(Millions of Dollars)

	1975	1980	1983	1985
General Revenue	$67.7	$130.6	$173.6	$201.2
Intergovernmental Revenue	19.5	45.4	49.2	64.4
From Federal Government	7.5	23.3	20.0	29.7
From State Government	11.6	21.4	28.3	33.8
General Revenue From				
Own Sources	48.2	96.3	124.4	136.8
Tax Revenue	18.3	25.7	32.7	40.6
Property Tax	15.2	20.9	27.3	34.7
Other Taxes	3.0	4.8	5.4	5.9
Charges & Miscellaneous	30.0	70.6	91.7	75.2
Utility System Revenue	12.6	25.2	33.3	36.4
Direct General Expenditures	62.8	176.3	172.7	217.6
Highways	12.1	41.3	22.7	26.3
Public Welfare	*	0.2	0.1	0.3
Police & Fire Protection	12.0	20.5	25.7	29.0
Health & Hospitals	1.1	1.8	2.3	2.3
Interest on General Debt	5.0	16.8	19.9	23.0
All Other	32.5	95.0	102.0	129.9
Utility System Expenditure	20.1	38.4	37.6	40.6

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

* Less than $50,000.

TABLE 13.28

REVENUES AND EXPENDITURES OF NORTH DAKOTA TOWNSHIPS, SELECTED FISCAL YEARS, 1975-1980

(Millions of Dollars)

	1975	1980	1983	1985
General Revenue	$9.4	$10.1	$15.9	$16.6
Intergovernmental Revenue	3.1	2.9	7.6	7.2
From Federal Government	2.0	1.4	2.1	1.5
From State Government	1.0	1.4	5.5	5.7
General Revenue From				
Own Sources	6.3	7.2	8.3	9.3
Tax Revenue	5.8	6.8	8.3	8.7
Property Tax	5.8	6.8	8.3	8.7
Other Taxes	*	*	*	*
Charges & Miscellaneous	0.5	0.5	*	0.7
Direct General Expenditures	7.9	6.1	8.4	12.9
Highways	6.2	5.3	7.9	11.5
Public Welfare	*	*	*	0.2
Police & Fire Protection	0.1	0.2	0.1	0.1
Health & Hospitals	*	*	*	*
Interest on General Debt	*	*	*	0.4
All Other	1.6	0.6	0.5	*

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

* Less than $50,000.

Note: Detail may not add to total because of rounding.

TABLE 13.29

REVENUES AND EXPENDITURES OF NORTH DAKOTA SCHOOL DISTRICTS SELECTED FISCAL YEARS, 1975-1986 (Millions of Dollars)

	1975	1980	1984	1986
General Revenue	$173.6	$287.3	$415.2	$434.0
Intergovernmental Revenue	102.2	170.1	256.4	260.5
From Federal Government	3.2	7.9	11.4	12.8
From State Government	81.8	138.6	234.2	238.6
General Revenue From Own Sources	71.4	117.2	158.8	173.5
Tax Revenue	55.7	87.7	115.5	131.0
Property Tax	55.5	87.7	115.5	131.0
Other Taxes	0.2	----	----	----
Charges & Miscellaneous	15.7	29.5	43.2	42.5
Direct General Expenditures	177.3	257.5	395.2	449.1
Education	174.5	254.8	392.2	445.4
Interest on General Debt	2.8	2.8	3.0	3.7

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

TABLE 13.30

REVENUES AND EXPENDITURES OF NORTH DAKOTA SPECIAL DISTRICTS, SELECTED FISCAL YEARS, 1975-1986 (Millions of Dollars)

	1975	1980	1984	1986
General Revenue	$15.6	$20.7	$34.2	$40.9
Intergovernmental Revenue	5.6	7.1	12.9	15.2
From Federal Government	3.5	4.7	9.4	11.9
From State Government	1.5	2.1	1.9	2.2
General Revenue From Own Sources	10.0	13.6	21.3	25.7
Tax Revenue - Property Tax	4.8	6.7	9.8	10.6
Charges & Miscellaneous	5.2	6.9	11.5	14.7
Direct General Expenditures	12.1	19.0	39.6	42.7
Education	0.2	1.1	0.0	0.0
Interest on General Debt	0.6	1.0	6.1	6.6
All Other	11.3	16.9	33.5	36.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

TABLE 13.34

FEDERAL GOVERNMENT GRANTS TO NORTH DAKOTA BY AGENCY, 1983 & 1986

	1986	1983
Total Grants	433,148	371,668
Department of Agriculture	55,292	36,039
Commerce	1,004	3,097
Defense	638	497
Education	46,101	55,516
Energy	5,184	3,063
Environmental Protection Agency	18,677	18,481
Equal Employment Opportunity Commission	136	28
Federal Emergency Management	1,397	540
Department of Health & Human Services	124,024	103,633
Department of Housing	39,428	28,341
Department of Interior	14,795	14,720
Department of Justice	57	15
Labor	23,967	19,172
Transportation	85,979	73,047
Treasury	14,635	13,672
Veterans Administration	283	279

SOURCE: U.S. Department of Commerce, Bureau of the Census, _Federal Expenditures by State_, various years.

TABLE 13.31

LONG-TERM DEBT OF LOCAL GOVERNMENTS IN NORTH DAKOTA SELECTED FISCAL YEARS, 1965-1985

(Millions of Dollars)

Year	Total Long-Term Debt	Allocation of Long-Term Debt				
		Counties	Munici-palities	Townships	Special Districts	School Districts
1965	$ 153.9	$ NA	$ NA	$ NA	$ NA	$ NA
1970	186.5	NA	NA	NA	NA	NA
1975	211.6	0.8	133.1	1.0	15.3	63.4
1976	277.9	53.3	152.1	1.0	13.3	58.2
1977	346.8	107.5	173.0	0.9	11.5	55.9
1979	473.2	105.7	284.4	0.8	28.8	53.4
1980	603.1	158.2	364.1	1.5	29.6	52.6
1981	605.6	161.8	367.4	1.1	28.8	46.5
1982	624.3	159.2	389.9	1.3	28.0	46.0
1983	659.8	150.2	425.2	1.2	27.3	55.9
1984	711.5	141.6	393.1	1.7	128.8	46.4
1985	3,563.0	134.0	3,245.0	1.0	135.0	49.0

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Governmental Finances, various years.

TABLE 13.32

PER CAPITA AMOUNTS OF FEDERAL EXPENDITURE: NORTH DAKOTA, UNITED STATES AND SELECT STATES, 1986. (Rank)

	Total	Grants to State & Local Govt.	Salaries and Wages	Direct Payments	Procurement	Other
United States	3,392	460	493	1,490	840	109
North Dakota	4,150 (8)	638 (6)	648 (9)	1,425 (33)	463 (34)	,977 (1)
South Dakota	3,466 (15)	646 (5)	544 (15)	1,506 (26)	300 (42)	469 (5)
Nebraska	3,260 (24)	413 (38)	484 (22)	1,515 (18)	176 (41)	531 (2)
Iowa	2,927 (37)	406 (39)	211 (49)	1,546 (15)	288 (44)	476 (4)
Minnesota	2,950 (35)	561 (14)	242 (47)	1,298 (44)	634 (23)	275 (7)
Montana	3,444 (16)	723 (3)	504 (19)	1,504 (21)	193 (49)	521 (3)
Wyoming	3,003 (31)	929 (2)	524 (17)	1,104 (48)	360 (38)	86 (24)
California	3,738 (12)	418 (37)	558 (14)	1,370 (39)	1,306 (8)	86 (23)
Massachusetts	4,276 (6)	528 (12)	357 (35)	1,633 (8)	1,622 (3)	136 (13)
Illinois	2,610 (47)	434 (33)	346 (37)	1,450 (30)	261 (46)	119 (17)

SOURCE: U.S. Department of the Commerce, Bureau of the Census, Federal Expenditures by State for Fiscal Year, 1986, March 1987.

TABLE 13.33

HISTORICAL SUMMARY OF FEDERAL EXPENDITURE, SELECTED STATES, 1981-1986.

	Total Expenditure			Grants to State & Local Govt			Salaries & Wages		
	1986	1983	1981	1986	1983	1981	1986	1983	1981
United States	830,259	694,568	583,588	112,596	92,693	94,806	120,627	102,597	92,187
North Dakota	2,818	2,130	1,510	433	372	318	440	370	382
South Dakota	2,454	1,927	1,577	457	361	356	385	329	334
Nebraska	5,211	4,109	3,202	661	575	517	773	656	634
Iowa	8,345	6,549	5,032	1,158	981	961	603	481	425
Minnesota	12,431	10,126	8,470	2,110	1,765	1,774	1,019	790	731
Montana	2,021	2,206	1,778	592	477	449	413	367	351
Wyoming	1,523	1,229	1,567	471	426	321	266	227	221
California	100,860	86,365	69,416	11,291	9,207	10,008	15,052	12,791	11,073
Massachusetts	24,937	20,252	16,576	3,082	2,898	2,889	2,079	1,747	1,521
Illinois	30,149	25,982	22,619	5,010	4,189	4,610	4,000	3,317	2,964

	Direct Pmts. for Individuals			Procurement			Other		
	1986	1983	1981	1986	1983	1981	1986	1983	1981
United States	364,690	319,816	259,653	205,671	158,929	130,401	26,675	20,533	6,541
North Dakota	967	826	656	314	195	141	664	367	13
South Dakota	1,066	938	747	213	116	125	332	183	15
Nebraska	2,421	2,089	1,720	507	309	301	849	480	29
Iowa	4,406	3,958	3,115	822	521	451	1,356	608	79
Minnesota	5,470	5,026	4,114	2,674	1,775	1,455	1,158	770	396
Montana	1,231	1,057	837	158	138	132	427	167	10
Wyoming	560	475	375	182	70	644	44	31	7
California	36,960	31,253	25,748	35,228	30,856	21,647	2,328	2,258	940
Massachusetts	9,521	8,309	6,729	9,461	6,415	5,096	793	803	342
Illinois	16,751	15,385	12,522	3,014	2,221	2,122	1,374	870	402

SOURCE: U.S. Department of Commerce, Bureau of the Census, Federal Expenditures by State for Fiscal Year, 1986, March 1987.

TABLE 13.35

FEDERAL FUNDS DISTRIBUTED IN NORTH DAKOTA BY COUNTY, SELECTED FISCAL YEARS, 1970-1986 (Thousands of Dollars)

County	1970	1975	1980	1983	1984	1985	1986
NORTH DAKOTA	$1,061,423	$1,130,942	$1,667,224	$2,107,421	$2,265,702	$2,640,888	$2,793,135
Adams	6,330	3,561	9,962	9,214	9,087	13,158	13,188
Barnes	20,565	15,410	31,654	35,682	44,776	49,200	55,210
Benson	14,941	29,850	58,549	74,540	119,825	99,081	107,232
Billings	10,377	2,831	2,428	5,008	4,753	6,040	6,573
Bottineau	19,343	11,370	20,342	27,641	29,365	30,395	40,285
Bowman	5,262	3,524	8,345	8,702	9,843	12,003	11,826
Burke	8,076	5,264	9,973	12,112	13,213	17,965	19,066
Burleigh	46,520	100,908	161,729	377,711	246,914	244,130	211,610
Cass	83,794	101,045	176,904	183,812	219,481	228,814	272,399
Cavalier	19,262	25,335	24,257	30,666	28,801	42,988	37,599
Dickey	11,074	7,461	15,976	19,729	27,594	23,933	36,480
Divide	12,313	6,616	7,980	11,840	13,080	20,273	20,793
Dunn	7,131	4,562	8,617	9,761	12,985	19,219	16,035
Eddy	6,511	4,593	10,348	11,868	11,886	16,718	16,205
Emmons	8,436	7,474	11,380	11,511	17,697	18,733	22,372
Foster	7,972	4,526	10,552	11,128	12,272	16,854	16,014
Golden Valley	3,935	2,355	6,101	7,502	12,140	12,817	12,123
Grand Forks	238,229	176,007	222,536	220,793	265,101	266,572	318,720
Grant	6,717	5,365	8,613	8,492	10,551	13,218	14,610
Griggs	7,711	3,843	11,590	10,648	11,165	16,179	18,495
Hettinger	9,373	4,974	10,908	13,642	13,362	18,453	20,479
Kidder	5,678	4,907	7,900	8,462	9,045	14,016	14,921
LaMoure	17,987	7,762	16,198	17,600	17,932	24,877	28,027
Logan	5,337	4,133	7,579	8,044	9,923	12,290	12,718
McHenry	12,036	10,818	17,896	32,472	38,501	50,530	53,579
McIntosh	7,438	5,740	9,822	11,398	11,924	16,007	17,824
McKenzie	8,093	6,407	13,746	16,531	21,996	22,756	22,629
McLean	22,769	10,947	24,087	33,162	39,304	44,820	48,596
Mercer	6,580	5,832	14,739	11,237	17,662	18,224	18,876
Morton	13,891	20,430	36,619	36,539	52,591	57,713	73,150

TABLE 13.36

REVENUE SHARING ENTITLEMENTS FOR STATE AND COUNTY GOVERNMENTS, ENTITLEMENT PERIODS 1-17, January 1972 - September 1986

County	Entitlement Periods 1-8 Jan. 1972- Sept. 1977	Entitlement Period 11 Oct. 1979- Sept. 1980	Entitlement Period 15 Oct. 1983- Sept. 1984	Entitlement Period 17 Oct 1985- Sept. 1986
State Gov't.	$40,554,974	$6,678,405	$13,284,837	$11,275,383
Adams	426,683	76,851	77,290	62,959
Barnes	1,005,278	179,554	188,147	144,744
Benson	795,060	96,287	123,579	87,028
Billings	213,197	32,143	32,844	29,412
Bottineau	925,078	187,266	186,452	101,933
Bowman	380,435	49,868	50,193	58,969
Burke	495,015	76,730	86,404	46,425
Burleigh	1,477,453	276,814	349,349	230,927
Cass	2,377,751	511,869	498,848	506,931
Cavalier	845,734	156,235	140,585	103,082
Dickey	693,413	166,920	147,879	125,579
Divide	525,469	69,448	68,815	45,352
Dunn	633,805	107,067	97,793	103,962
Eddy	474,362	80,857	70,513	52,364
Emmons	480,422	141,891	146,200	118,639
Foster	245,746	79,207	72,493	59,267
Golden Valley	213,547	50,192	30,135	19,587
Grand Forks	2,168,673	358,563	485,996	383,471
Grant	612,779	110,286	99,681	77,173
Griggs	414,444	86,823	67,398	56,956
Hettinger	586,132	94,923	75,792	66,155
Kidder	511,862	92,176	77,698	66,513
LaMoure	565,542	162,851	125,492	92,721
Logan	344,992	83,011	82,965	57,196
McHenry	971,118	184,911	165,560	118,139
McIntosh	329,503	85,766	98,679	87,627
McKenzie	485,482	58,998	91,668	88,644
McLean	1,302,216	110,063	189,475	101,086
Mercer	519,520	97,258	94,780	70,371
Morton	2,541,212	373,492	392,608	341,698

TABLE 13.36--Continued

County	Entitlement Periods 1-16 Jan. 1972- Sept. 1985	Entitlement Period 17 Oct. 1985- Sept. 1985
Mountrail	114,349	130,758
Nelson	105,456	84,624
Oliver	61,007	41,862
Pembina	201,185	141,015
Pierce	122,642	98,461
Ramsey	160,119	119,503
Ransom	141,360	99,234
Renville	51,129	38,299
Richland	290,453	191,592
Rolette	104,983	89,747
Sargent	98,511	81,860
Sheridan	70,663	50,448
Sioux	25,960	24,485
Slope	26,066	18,328
Stark	214,935	242,309
Steele	61,787	48,107
Stutsman	243,229	202,803
Towner	84,372	61,575
Traill	128,950	120,992
Walsh	295,493	217,109
Ward	429,942	391,612
Wells	96,082	82,626
Williams	194,622	157,417

SOURCE: Dept. of the Treasury, Office of Revenue Sharing, *Fifteenth Period Entitlements*, March 1977; *Seventeenth Period Entitlements*, Jan., 1984; and *II-Eleventh Period Entitlements*, Aug., 1986.

Note: Differences exist between initial entitlement, payment and final entitlement due to data revisions, waivers and late filings therefore the total money actually received may vary slightly.

TABLE 13.37

TOTAL REVENUE SHARING FUNDS DISPERSED BY FEDERAL GOVERNMENT AND AMOUNT RECEIVED BY NORTH DAKOTA GOVERNMENTAL BODIES FOR ENTITLEMENT PERIODS 1-17 Jan. 1972-Sept. 1986

	NORTH DAKOTA		United States	
	Number of Eligible Govern-ments	Amount Received Entitlement Periods 1-17	Number of Eligible Govern-ments	Recipients Paid Entitlement Periods 1-17
State Gov't.	1	$58,565,658	51	$18,912,723,415
Counties	53	102,665,182	3,109	24,039,572,424
Municipalities	366	63,365,543	19,142	33,795,585,267
Townships	1,357	20,897,989	16,708	4,919,408,439
Indian Tribes	5	4,419,607	336	138,913,008
Total	1,781	249,913,979	39,346	81,806,202,553

SOURCE: U.S. Dept. of the Treasury, Office of Revenue Sharing, Fifteenth Period Entitlements, Jan., 1984 and Seventeenth Period Entitlements, Aug., 1986.

TABLE 13.38

REVENUE SHARING ENTITLEMENTS FOR NORTH DAKOTA'S FIFTEEN LARGEST MUNICIPALITIES, ENTITLEMENT PERIODS 1-17, JANUARY 1972 - SEPTEMBER 1986

Munici-palities	Entitlement Periods 1-8 Jan. 1972-Sept. 1977	Entitlement Period 11 Oct. 1979-Sept. 1980	Entitlement Period 15 Oct. 1983-Sept. 1984	Entitlement Period 17 Oct. 1985-Sept. 1986
Fargo	$3,703,510	$657,011	$459,063	$464,359
Grand Forks	3,300,532	553,441	551,488	442,824
Bismarck	2,708,854	474,451	391,897	443,787
Minot	2,689,397	448,421	430,369	427,511
Jamestown	1,166,627	191,451	159,687	156,177
Dickinson	962,603	136,133	177,499	186,517
Williston	999,906	119,557	97,633	167,864
Mandan	892,414	175,802	132,373	130,561
Valley City	651,894	67,608	63,215	54,584
Devils Lake	476,088	78,844	97,602	71,466
Wahpeton	498,585	129,979	94,102	81,367
West Fargo	285,520	83,379	61,990	50,718
Grafton	386,965	64,791	57,611	46,712
Rugby	227,700	40,016	29,571	33,427
Bottineau	93,461	13,061	15,279	9,196

SOURCE: U.S. Dept. of Treasury, Office of Revenue Sharing, Fifteenth Period Entitlements, Jan., 1984; 10-Tenth Period Entitlements, July 1978; and Seventeenth Period Entitlements, Aug., 1986.

14.00

SOCIAL INSURANCE AND WELFARE SERVICES

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County	1970	1975	1980	1983	1984	1985	1986
Mountrail	$ 15,215	$ 13,142	$ 20,168	$ 26,491	$ 30,638	$ 35,679	$ 34,854
Nelson	11,968	8,698	15,672	35,694	40,192	41,335	43,064
Oliver	3,906	1,661	3,599	3,073	5,932	6,402	5,709
Pembina	16,460	20,640	34,969	37,322	39,859	46,407	58,647
Pierce	8,224	7,431	11,631	12,869	15,910	25,697	27,452
Ramsey	19,095	16,983	34,884	35,103	43,251	52,098	53,442
Ransom	8,981	7,352	15,279	19,462	17,899	25,087	25,506
Renville	8,073	3,965	8,400	11,989	12,019	18,202	17,460
Richland	20,809	42,553	61,341	40,380	42,017	51,942	58,630
Rolette	18,718	26,978	42,630	46,784	55,381	67,409	73,546
Sargent	8,880	6,242	13,752	14,613	13,593	20,730	19,765
Sheridan	5,414	8,276	9,706	7,483	8,423	11,980	12,655
Sioux	8,975	14,445	20,832	17,252	18,289	17,377	22,343
Slope	3,492	1,888	2,731	5,066	4,885	6,842	6,780
Stark	13,335	15,113	29,112	32,725	41,460	46,247	51,479
Steele	8,689	5,004	9,432	12,177	10,703	16,453	20,667
Stutsman	27,093	28,356	47,693	70,815	60,017	128,001	81,184
Towner	10,940	5,634	10,091	21,547	17,249	27,458	27,097
Traill	17,723	11,560	20,195	25,964	22,979	34,583	41,317
Walsh	25,963	18,949	32,265	38,827	39,495	52,301	52,574
Ward	112,648	225,485	197,763	201,968	249,074	284,974	293,215
Wells	14,190	9,204	17,440	26,666	21,340	31,988	38,931
Williams	18,954	19,534	30,319	39,913	49,419	56,300	59,600
State Undistributed	------	------	------	45,708	52,908	79,339	89,584

SOURCE: Executive Office of the President, Geographical Distribution of Federal Funds, various fiscal years, (formerly Federal Outlays in North Dakota).

TABLE 13.39

FEDERAL CIVILIAN EMPLOYMENT AND FIRST QUARTER PAYROLL BY NORTH DAKOTA COUNTY, 1978-1984

County	1984		1983		1980	
	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)
NORTH DAKOTA	9,427	$47,437	9,409	$45,411	9,393	$38,192
Adams	26	113	27	112	31	103
Barnes	112	536	118	526	124	473
Benson	81	316	74	257	76	226
Billings	33	128	34	142	35	110
Bottineau	85	378	89	379	97	383
Bowman	23	101	24	98	26	84
Burke	61	335	64	339	64	299
Burleigh	800	5,187	799	4,802	861	4,413
Cass	2,044	12,287	2,034	11,243	1,832	8,485
Cavalier	72	326	82	312	80	293
Dickey	67	270	63	242	51	185
Divide	36	166	38	166	42	159
Dunn	29	116	33	106	33	113
Eddy	28	117	27	96	27	97
Emmons	39	155	42	147	41	133
Foster	31	146	36	150	39	142
Golden Valley	19	80	21	72	16	56
Grand Forks	1,232	5,693	1,275	6,049	1,233	4,691
Grant	35	128	30	109	40	116
Griggs	30	110	34	103	29	99
Hettinger	42	183	41	171	39	141
Kidder	37	132	35	130	39	128
LaMoure	61	247	61	241	59	204
Logan	27	106	28	94	27	90
McHenry	82	307	72	289	71	242
McIntosh	31	136	37	132	32	110
McKenzie	70	353	71	351	56	218

TABLE 13.39--Continued

County	1984		1983		1980	
	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)	Number of Employees (Mid-March)	1st Quarter Payroll Jan.-March (Thousand)
McLean	155	716	162	733	166	651
Mercer	49	207	50	192	42	157
Morton	147	761	141	710	141	595
Mountrail	184	776	190	782	200	726
Nelson	48	204	61	199	54	174
Oliver	11	45	11	41	12	36
Pembina	150	769	129	704	141	670
Pierce	45	159	41	167	41	143
Ramsey	158	833	153	798	158	697
Ransom	40	162	41	159	46	158
Renville	30	111	33	110	27	102
Richland	162	732	168	718	177	681
Rolette	538	2,486	463	2,254	439	1,605
Sargent	49	182	53	171	51	157
Sheridan	38	147	38	124	34	111
Sioux	251	1,139	225	1,098	265	981
Slope	8	30	10	26	9	25
Stark	179	1,047	171	898	151	691
Steele	40	216	47	237	44	191
Stutsman	195	1,069	197	1,048	224	1,020
Towner	31	130	33	130	32	114
Traill	55	211	61	228	62	221
Walsh	86	392	88	367	89	341
Ward	1,310	5,676	1,319	5,713	1,303	4,445
Wells	74	300	65	224	85	314
Williams	122	545	121	542	103	433
Unallocated	39	240	29	180	197	960

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, County Business Patterns--North Dakota, various years.

TABLE 14.01

TRANSFER PAYMENTS BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1959-1984
(Thousands of Dollars)

County	1959	1965	1970	1975	1980	1983	1984
NORTH DAKOTA	$81,049	$115,156	$213,010	$424,111	$734,541	$1,029,552	$1,067,016
Adams	550	767	1,374	2,734	4,410	6,236	6,441
Barnes	2,343	3,461	5,975	11,079	19,146	26,478	27,455
Benson	1,367	1,854	3,622	6,827	10,602	14,176	14,601
Billings	90	121	192	382	613	959	977
Bottineau	1,442	1,997	3,690	7,402	13,161	18,198	18,605
Bowman	545	778	1,423	2,677	4,470	6,470	6,538
Burke	767	947	1,775	3,568	5,627	7,714	7,849
Burleigh	3,675	5,778	11,751	27,957	53,114	76,675	82,438
Cass	9,740	13,766	24,440	51,641	90,570	127,290	132,217
Cavalier	1,145	1,640	3,099	6,251	9,346	11,686	12,032
Dickey	1,153	1,578	2,648	5,375	9,219	12,712	13,114
Divide	769	874	1,452	2,648	4,364	6,035	6,486
Dunn	575	813	1,489	2,737	4,094	6,465	6,690
Eddy	727	1,000	1,699	2,996	5,270	7,704	8,039
Emmons	728	1,055	2,032	4,047	6,658	8,504	8,974
Foster	735	977	1,744	3,421	5,645	8,112	8,532
Golden Valley	454	547	951	1,876	3,586	4,922	5,030
Grand Forks	6,011	8,632	16,085	33,941	57,819	78,867	81,280
Grant	506	727	1,402	2,725	4,986	6,512	6,885
Griggs	645	838	1,478	2,916	4,873	7,042	7,359
Hettinger	570	808	1,533	2,901	5,444	7,986	8,203
Kidder	556	760	1,242	2,593	4,314	5,665	5,956
LaMoure	1,114	1,498	2,666	4,885	8,112	10,896	11,382
Logan	459	627	1,284	2,446	4,628	5,614	5,880
McHenry	1,354	1,958	3,616	6,572	11,295	15,086	15,901

TABLE 14.02

SOCIAL SECURITY: NUMBER OF RETIRED WORKERS AND AVERAGE MONTHLY BENEFIT, NORTH DAKOTA, SELECTED YEARS, 1950-1984

Year*	Number**	Average Monthly Benefit
1950	2,495	$36.56
1955	9,173	52.90
1956	11,471	54.23
1957	19,101	61.74
1958	23,510	63.52
1959	26,235	70.79
1960	28,482	71.64
1961	31,847	72.60
1962	34,707	72.60
1963	36,234	72.92
1964	37,242	73.32
1965	38,395	79.13
1966	40,380	79.36
1967	41,156	80.30
1968	42,196	92.48
1969	42,960	93.62
1970	44,381	110.01
1971	46,078	122.53
1972	47,792	150.36
1973	49,734	153.40
1974	50,598	173.40
1975	52,011	191.57
1976	53,499	209.10
1977	55,357	227.34
1978	56,200	257.00
1979	57,400	287.00
1980	58,220	318.56
1981	59,800	325.00
1982	61,000	344.00
1984	62,189	433.18

SOURCE: U.S. Social Security Administration, Social Security Bulletin Annual Statistical Supplement, 1986.

* As of December 31 of year indicated.

** Excludes "special" primary beneficiaries and "special" wife beneficiaries.

TABLE 14.05

SOCIAL SECURITY: RETIREMENT, SURVIVOR, AND DISABILITY INSURANCE; NUMBER OF BENEFITS BY AGE, SEX OF ADULTS, AND BY NORTH DAKOTA COUNTY, DECEMBER 1985

County	Total	Age of Beneficiary		Age 62 and older	
		Under 62	Over 62	Men	Women
NORTH DAKOTA	106,969	13,951	93,018	39,694	53,324
Adams	768	64	304	304	400
Barnes	3,089	293	2,796	1,184	1,612
Benson	1,562	239	1,323	629	694
Billings	90	5	85	45	40
Bottineau	2,085	203	1,882	862	1,020
Bowman	802	75	727	314	413
Burke	928	83	845	372	473
Burleigh	7,215	1,228	5,987	2,380	3,607
Cass	11,646	1,810	9,836	3,880	5,956
Cavalier	1,501	134	1,367	614	753
Dickey	1,509	135	1,374	595	779
Divide	727	52	675	308	367
Dunn	738	86	652	309	343
Eddy	890	103	787	345	442
Emmons	1,190	121	1,069	497	572
Foster	1,008	91	917	403	514
Golden Valley	525	48	477	192	285
Grand Forks	7,158	1,139	6,019	2,367	3,652
Grant	926	116	810	380	430
Griggs	924	89	835	385	450
Hettinger	1,011	125	886	389	497
Kidder	774	91	683	314	369
LaMoure	1,425	83	1,342	597	745
Logan	826	56	770	354	416
McHenry	1,828	212	1,616	737	879
McIntosh	1,325	105	1,220	534	686
McKenzie	982	134	848	397	451
McLean	2,407	269	2,138	982	1,156
Mercer	1,393	163	1,230	537	693
Morton	3,733	586	3,147	1,308	1,839

TABLE 14.01--Continued

County	1959	1965	1970	1975	1980	1983	1984
McIntosh	$630	$957	$1,856	$3,847	$6,821	$9,184	$9,524
McKenzie	811	1,019	1,737	3,266	6,079	9,625	9,389
McLean	1,799	2,266	4,063	8,302	15,424	20,770	22,536
Mercer	733	1,121	2,102	4,465	9,307	12,770	15,133
Morton	2,341	3,435	6,593	13,794	26,292	35,104	37,615
Mountrail	1,539	1,983	3,525	6,143	10,045	14,373	14,613
Nelson	1,057	1,564	2,669	5,006	8,154	11,070	11,385
Oliver	194	279	472	816	1,670	2,280	2,532
Pembina	1,829	2,707	4,788	8,453	14,296	20,135	20,523
Pierce	736	1,066	2,164	4,250	7,263	9,960	10,402
Ramsey	2,006	2,973	5,347	10,948	17,995	25,622	26,774
Ransom	1,400	1,723	2,921	5,417	8,707	11,984	12,518
Renville	579	741	1,279	2,766	4,651	6,387	6,622
Richland	2,731	4,001	6,067	13,770	23,046	30,770	31,423
Rolette	1,859	3,005	6,429	10,917	18,305	24,009	24,705
Sargent	982	1,264	2,199	4,012	7,114	10,009	10,083
Sheridan	391	548	1,029	2,061	3,392	4,323	4,501
Sioux	587	994	2,151	3,306	4,496	6,314	6,258
Slope	152	182	325	637	1,050	1,436	1,440
Stark	1,851	2,935	5,912	12,396	21,678	37,119	36,167
Steele	532	764	1,245	2,290	3,855	4,977	5,190
Stutsman	3,011	4,431	8,116	16,111	27,442	37,725	39,106
Towner	705	996	1,846	3,400	5,383	7,411	7,814
Traill	1,583	2,345	4,036	7,749	13,362	18,089	18,690
Walsh	2,241	3,555	6,534	12,228	20,870	28,649	29,559
Ward	6,487	8,842	17,234	35,392	62,350	87,477	91,169
Wells	1,191	1,711	3,308	5,951	10,179	14,290	14,844
Williams	3,152	3,940	7,521	13,794	23,591	39,582	37,629

SOURCE: U.S. Dept. of Commerce, Bureau of Economic Analysis, Regional Economics Information System, 1987.

TABLE 14.03

SOCIAL SECURITY: RETIREMENT, SURVIVOR AND DISABILITY INSURANCE NUMBER OF MONTHLY CASH BENEFITS IN CURRENT-PAYMENT STATUS, BY STATE AND COUNTY, TYPE OF BENEFIT, DECEMBER 1985

State & County	Total	RETIREMENT PROGRAM			SURVIVOR PROGRAM		DISABILITY PROGRAM		
		Retired Workers[1]	Wives or Husbands[1]	Children	Widows, Widowers, or Parents	Children	Disabled Workers	Wives or Husbands	Children
NORTH DAKOTA	106,969	63,046	13,646	1,394	16,757	4,892	5,079	539	1,616
Adams	768	460	114	8	133	30	20	0	3
Barnes	3,089	1,919	387	33	502	94	102	16	36
Benson	1,562	863	232	28	246	96	57	9	31
Billings	90	59	18	1	5	3	3	1	0
Bottineau	2,085	1,282	291	28	321	59	75	6	23
Bowman	802	474	117	9	142	23	30	1	6
Burke	928	525	162	10	157	30	30	6	8
Burleigh	7,215	4,327	689	90	1,018	345	504	60	182
Cass	11,646	7,075	1,105	87	1,694	603	784	74	224
Cavalier	1,501	840	251	21	290	37	39	7	16
Dickey	1,509	912	202	17	256	42	58	7	15
Divide	727	449	116	4	108	24	19	1	6
Dunn	738	412	129	10	120	35	24	3	5
Eddy	890	522	124	18	143	47	27	3	6
Emmons	1,190	629	233	18	205	24	62	7	12
Foster	1,008	606	162	17	152	35	32	4	0
Golden Valley	525	322	69	4	86	18	18	2	6
Grand Forks	7,158	4,377	644	64	1,039	427	442	32	133
Grant	926	477	171	14	163	33	45	8	15
Griggs	924	569	134	13	140	29	24	4	11
Hettinger	1,011	535	172	11	183	55	35	8	12
Kidder	774	417	151	15	117	20	36	6	12
LaMoure	1,425	847	259	15	232	18	40	7	7
Logan	826	473	154	10	137	19	26	3	4
McHenry	1,820	1,040	299	34	293	59	60	7	28

TABLE 14.03--Continued

State & County	Total	RETIREMENT PROGRAM Retired Workers[1]	RETIREMENT PROGRAM Wives or Husbands[1]	RETIREMENT PROGRAM Children	SURVIVOR PROGRAM Widows, Widowers, or Parents	SURVIVOR PROGRAM Children	DISABILITY PROGRAM Disabled Workers	DISABILITY PROGRAM Wives or Husbands	DISABILITY PROGRAM Children
McIntosh	1,325	731	255	12	242	24	45	7	9
McKenzie	982	563	137	7	144	61	47	6	17
McLean	2,407	1,367	391	32	375	114	96	12	20
Mercer	1,393	733	226	16	277	82	42	3	14
Morton	3,733	2,010	488	66	669	186	207	28	79
Mountrail	1,562	880	218	20	244	93	70	11	26
Nelson	1,380	829	203	9	231	48	47	4	9
Oliver	275	155	52	9	31	4	9	4	11
Pembina	2,181	1,292	272	23	392	93	82	6	21
Pierce	1,267	772	186	8	185	44	51	6	15
Ramsey	2,730	1,739	336	32	411	85	98	8	21
Ransom	1,435	894	210	10	200	33	63	7	10
Renville	734	442	126	7	113	21	13	3	9
Richland	3,238	1,896	463	46	551	123	102	18	39
Rolette	1,776	950	149	55	264	200	96	9	45
Sargent	1,116	632	155	14	208	44	41	8	14
Sheridan	579	306	124	7	97	19	18	1	7
Sioux	360	126	32	20	45	91	26	4	16
Slope	129	82	12	0	19	5	7	0	4
Stark	3,594	1,978	481	47	592	200	200	20	76
Steele	613	360	103	7	105	11	16	5	6
Stutsman	4,197	2,519	437	59	646	176	278	12	70
Towner	919	545	130	11	160	49	18	2	4
Traill	2,087	1,318	283	19	342	49	61	5	10
Walsh	3,398	2,030	376	133	452	243	114	9	41
Ward	7,280	4,477	748	76	1,032	354	419	41	133
Wells	1,668	951	256	23	310	55	44	5	16
Williams	3,466	2,050	412	47	530	172	169	13	65

SOURCE: U.S. Social Security Administration; Grand Forks, North Dakota Office, 1987.

[1] Includes special age 72 beneficiaries.

TABLE 14.04

SOCIAL SECURITY: RETIREMENT, SURVIVOR AND DISABILITY INSURANCE AMOUNT OF MONTHLY CASH BENEFITS IN CURRENT-PAYMENT STATUS, BY STATE AND COUNTY, TYPE OF BENEFIT, DECEMBER 1985

(In Thousands of Dollars)

		RETIREMENT PROGRAM			SURVIVOR PROGRAM		DISABILITY PROGRAM		
State & County	Total	Retired Workers[1]	Wives or Husbands[1]	Children	Widows, Widowers, or Parents	Children	Disabled Workers	Wives or Husbands	Children
NORTH DAKOTA	42,864	28,417	3,203	270	6,840	1,589	2,236	68	222
Adams	317	213	27	1	55	9	8	0	0
Barnes	1,235	850	90	6	207	31	42	2	4
Benson	581	375	53	4	97	20	23	1	4
Billings	30	22	3	0	2	0	1	0	0
Bottineau	031	562	67	5	137	21	32	0	2
Bowman	321	214	26	1	56	8	12	0	0
Burke	350	230	36	1	65	9	13	0	1
Burleigh	3,037	2,057	160	16	415	116	231	7	24
Cass	5,134	3,423	296	21	760	222	363	10	36
Cavalier	592	376	50	3	119	12	19	0	2
Dickey	565	383	42	3	99	11	22	0	1
Divide	313	210	32	0	47	7	6	0	0
Dunn	253	161	25	2	42	10	9	0	0
Eddy	341	229	20	4	54	11	10	0	0
Emmons	406	246	45	2	74	5	20	1	2
Foster	399	270	37	2	63	10	12	0	0
Golden Valley	225	154	10	0	35	6	8	0	1
Grand Forks	3,092	2,085	170	12	450	151	191	3	10
Grant	298	182	30	1	55	8	17	0	1
Griggs	361	247	31	2	56	10	10	0	1
Hettinger	389	230	37	1	74	17	16	1	2
Kidder	264	167	30	2	41	5	15	0	0
LaMoure	536	357	57	3	91	6	19	1	0
Logan	280	182	29	1	49	5	11	0	0
McHenry	677	442	63	5	114	19	29	0	3

TABLE 14.04--Continued

State & County	Total	RETIREMENT PROGRAM Retired Workers[1]	Wives or Husbands[1]	Children	SURVIVOR PROGRAM Widows, Widowers, or Parents	Children	DISABILITY PROGRAM Disabled Workers	Wives or Husbands	Children
McIntosh	442	281	49	1	83	6	18	0	0
McKenzie	382	253	31	1	55	16	20	0	2
McLean	940	608	91	5	151	32	46	1	2
Mercer	525	316	49	3	105	28	19	0	2
Morton	1,390	856	100	13	250	60	95	2	9
Mountrail	614	397	56	4	95	26	29	1	4
Nelson	550	367	49	2	99	13	21	0	1
Oliver	98	67	10	1	10	1	5	0	1
Pembina	889	584	66	4	161	31	37	0	2
Pierce	486	329	41	1	75	14	20	0	1
Ramsey	1,134	797	85	6	175	26	40	0	2
Ransom	526	357	45	1	77	10	29	1	3
Renville	312	215	32	1	47	8	5	0	1
Richland	1,246	821	106	8	218	38	46	2	4
Rolette	614	389	32	11	90	48	36	0	5
Sargent	432	277	34	2	80	16	10	0	1
Sheridan	199	123	25	1	36	5	7	0	0
Sioux	99	47	5	2	13	19	9	0	1
Slope	49	35	2	0	6	1	3	0	0
Stark	1,310	826	97	9	222	60	82	1	9
Steele	259	171	27	1	47	3	7	0	0
Stutsman	1,684	1,121	101	11	266	58	111	2	10
Towner	382	255	34	2	67	14	6	0	0
Traill	872	602	72	3	144	17	30	0	2
Walsh	1,353	914	89	31	186	78	46	0	4
Ward	3,064	2,081	187	16	450	121	183	5	19
Wells	653	422	59	4	127	16	19	0	2
Williams	1,493	998	106	10	227	62	76	1	9

SOURCE: U.S. Social Security Administration; Grand Forks, North Dakota Office, 1987.

[1] Includes special age 72 beneficiaries.

TABLE 14.05--Continued

County	Total	Age of Beneficiary		Age 62 and older	
		Under 62	Over 62	Men	Women
Mountrail	1,562	228	1,334	619	715
Nelson	1,380	109	1,271	555	716
Oliver	275	39	236	115	121
Pembina	2,181	224	1,957	836	1,121
Pierce	1,267	123	1,144	491	653
Ramsey	2,730	255	2,475	1,067	1,408
Ransom	1,435	123	1,311	581	730
Renville	734	65	669	303	366
Richland	3,238	343	2,895	1,234	1,661
Rolette	1,776	439	1,337	615	722
Sargent	1,116	127	989	445	544
Sheridan	579	55	524	249	275
Sioux	360	163	197	98	99
Slope	129	15	114	51	63
Stark	3,594	582	3,012	1,291	1,721
Steele	613	41	572	259	313
Stutsman	4,197	614	3,583	1,475	2,108
Towner	919	91	828	351	477
Traill	2,087	143	1,944	839	1,105
Walsh	3,398	551	2,847	1,750	1,597
Ward	7,280	1,038	6,242	2,543	3,699
Wells	1,668	156	1,512	647	865
Williams	3,466	488	2,978	1,266	1,712

SOURCE: U.S. Social Security Administration; Grand Forks, North Dakota Office, 1987.

TABLE 14.06

SUPPLEMENTAL SECURITY INCOME (SSI): NUMBER OF ADULT UNITS AND CHILDREN RECEIVING PAYMENTS BY BENEFIT CATEGORY, BY NORTH DAKOTA COUNTY, DECEMBER, 1985

County	Total	Aged		Blind and Disabled		
		Individual	Couple	Individual	Couple	Children
NORTH DAKOTA	6,228	2,112	150	3,512	70	384
Adams	48	14	0	24	2	8
Barnes	114	48	2	62	0	2
Benson	120	44	2	62	2	10
Billings	2	0	0	0	0	2
Bottineau	84	34	6	36	2	6
Bowman	26	12	0	12	0	2
Burke	30	12	4	12	0	2
Burleigh	444	116	10	284	4	30
Cass	670	166	8	434	4	58
Cavalier	60	34	2	22	0	2
Dickey	86	40	2	44	0	0
Divide	40	18	0	22	0	0
Dunn	30	8	2	20	0	0
Eddy	50	20	2	26	0	2
Emmons	66	32	4	28	0	2
Foster	34	22	0	12	0	0
Golden Valley	14	4	0	10	0	0
Grand Forks	440	104	2	284	6	44
Grant	58	22	2	32	0	2
Griggs	34	14	4	16	0	0
Hettinger	74	28	0	44	0	2
Kidder	40	24	2	12	2	0
LaMoure	70	40	4	24	0	2
Logan	50	16	2	32	0	0
McHenry	86	42	4	36	2	2
McIntosh	80	44	4	28	2	2
McKenzie	26	8	0	16	0	2
McLean	164	62	6	90	2	4
Mercer	86	38	4	42	2	0
Morton	242	84	8	132	4	14

TABLE 14.06--Continued

County	Total	Aged		Blind and Disabled		
		Individual	Couple	Individual	Couple	Children
Mountrail	112	34	2	68	2	6
Nelson	70	26	0	42	0	2
Oliver	8	4	0	4	0	0
Pembina	112	56	2	48	0	6
Pierce	66	32	4	28	0	2
Ramsey	154	50	2	90	4	8
Ransom	72	38	2	30	0	2
Renville	16	8	0	8	0	0
Richland	168	78	4	80	2	4
Rolette	348	126	12	186	10	14
Sargent	44	20	4	20	0	0
Sheridan	42	22	6	12	2	0
Sioux	70	14	0	46	2	8
Slope	6	4	0	2	0	0
Stark	238	68	6	146	4	14
Steele	18	12	0	4	0	2
Stutsman	354	82	4	220	8	40
Towner	36	20	2	12	0	2
Traill	68	46	0	20	0	2
Walsh	244	56	2	154	0	32
Ward	398	100	4	262	2	30
Wells	74	28	4	40	0	2
Williams	140	38	4	90	0	8

SOURCE: U.S. Social Security Administration, Supplemental Security Income, State and County Data, June 1985.

Note: A random rounding procedure has been used to avoid disclosure of reason for eligibility of particular individuals. See source document for details.

TABLE 14.07

SUPPLEMENTAL SECURITY INCOME (SSI): MONTHLY AMOUNT OF PAYMENTS IN THOUSANDS OF DOLLARS BY BENEFIT CATEGORY, BY NORTH DAKOTA COUNTY, DECEMBER 1985

County	Total	Aged		Blind and Disabled		
		Individual	Couple	Individual	Couple	Children
NORTH DAKOTA	$1,125	$253	$21	$724	$16	$111
Adams	10	1	0	5	1	3
Barnes	18	5	0	12	0	1
Benson	23	6	0	14	0	3
Billings	0	0	0	0	0	0
Bottineau	12	3	1	6	0	2
Bowman	4	1	0	2	0	1
Burke	4	1	0	3	0	0
Burleigh	93	13	2	67	0	11
Cass	141	20	1	102	1	17
Cavalier	8	4	0	3	0	1
Dickey	16	4	0	12	0	0
Divide	7	3	0	4	0	0
Dunn	6	1	1	4	0	0
Eddy	7	2	1	3	0	1
Emmons	13	5	1	6	0	1
Foster	3	2	0	1	0	0
Golden Valley	3	1	0	2	0	0
Grand Forks	87	10	0	63	1	13
Grant	10	3	0	7	0	0
Griggs	3	1	0	2	0	0
Hettinger	13	3	0	9	0	1
Kidder	4	3	0	1	0	0
LaMoure	10	6	0	4	0	0
Logan	8	2	0	6	0	0
McHenry	24	6	1	16	0	1
McIntosh	11	4	1	5	0	1
McKenzie	6	2	0	3	0	1
McLean	27	9	1	16	0	1
Mercer	13	4	0	9	0	0
Morton	44	11	1	25	1	6

TABLE 14.07-Continued

County	Total	Aged		Blind and Disabled		
		Individual	Couple	Individual	Couple	Children
Mountrail	$21	$4	$1	$13	$1	$2
Nelson	10	2	0	7	0	1
Oliver	1	0	0	1	0	0
Pembina	19	8	0	9	0	2
Pierce	13	5	1	6	0	1
Ramsey	28	5	0	20	1	2
Ransom	9	3	0	5	0	1
Renville	2	1	0	1	0	0
Richland	29	10	0	17	1	1
Rolette	73	19	3	43	4	4
Sargent	8	3	1	4	0	0
Sheridan	6	3	1	2	0	0
Sioux	18	2	0	13	1	2
Slope	1	1	0	0	0	0
Stark	45	10	0	30	1	4
Steele	4	2	0	1	0	1
Stutsman	71	6	1	50	2	2
Towner	5	2	0	2	0	1
Traill	10	5	0	4	0	1
Walsh	21	7	0	13	0	1
Ward	66	12	1	45	1	7
Wells	12	3	1	7	0	1
Williams	25	4	0	19	0	2

SOURCE: U.S. Social Security Administration, Supplemental Security Income, State and County Data, June 1986.

Note: A random rounding procedure has been used to avoid disclosing amounts of benefits received by particular individuals. See source document for details.

TABLE 14.08

NORTH DAKOTA DEPARTMENT OF HUMAN SERVICES AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC) TOTAL PAYMENTS FOR MAINTENANCE BY COUNTY SELECTED STATE FISCAL YEARS 1980-1987 (JULY 1-JUNE 30)[1]

County	1980	1981	1982[2]	1985*	1986*	1987*
NORTH DAKOTA	14,148,074	15,903,756	15,952,066	13,623,215	19,315,034	20,652,966
Adams	38,604	42,688	37,344	18,136	31,353	40,291
Barnes	201,624	235,482	251,061	289,343	370,857	338,860
Benson	808,120	960,402	946,887	577,478	752,367	836,245
Billings	6,271	2,051	2,850	2,025	821	3,752
Bottineau	156,665	173,320	210,259	168,222	241,951	232,983
Bowman	34,335	20,390	28,830	39,058	62,320	58,570
Burke	55,642	64,526	53,451	26,374	47,976	62,246
Burleigh	972,577	1,168,835	1,175,458	1,363,377	2,056,987	2,239,116
Cass	1,657,473	2,026,989	1,921,165	1,528,113	1,992,137	2,016,640
Cavalier	114,872	125,344	117,382	70,185	81,102	80,205
Dickey	110,758	152,308	121,963	102,176	152,071	132,128
Divide	37,195	41,011	35,944	23,060	36,584	48,734
Dunn	85,566	101,282	92,134	83,882	124,189	153,165
Eddy	75,679	78,266	99,920	52,235	79,776	75,431
Emmons	20,208	29,595	26,867	35,419	40,434	40,005
Foster	90,619	121,285	126,311	56,215	74,819	85,532
Golden Valley	14,361	18,478	30,449	6,221	16,807	16,808
Grand Forks	960,334	1,019,153	954,242	1,047,496	1,649,976	1,822,107
Grant	52,576	49,308	35,651	15,506	31,695	39,302
Griggs	36,010	45,697	56,371	44,605	57,832	59,996
Hettinger	29,766	41,175	43,007	35,037	48,147	46,851
Kidder	63,553	68,494	62,313	44,628	49,492	59,971
LaMoure	59,574	62,712	59,799	36,010	54,910	76,400
Logan	36,042	49,813	41,227	6,678	9,305	7,837
McHenry	125,892	146,297	152,305	85,174	137,875	137,632
McIntosh	57,392	59,101	45,821	26,670	28,012	37,779
McKenzie	163,113	193,692	262,103	257,049	390,140	470,380
McLean	335,915	369,088	333,611	200,110	298,610	273,674
Mercer	112,236	142,517	176,991	84,462	133,245	117,807
Morton	387,665	518,136	563,018	511,725	755,507	738,166

TABLE 14.08--Continued

County	1980	1981	1982[2]	1985*	1986*	1987*
Mountrail	324,581	132,640	392,473	274,819	403,255	451,332
Nelson	36,475	57,977	54,473	23,284	39,190	47,402
Oliver	11,507	11,068	21,740	21,376	43,872	28,222
Pembina	280,292	326,091	265,755	94,609	156,344	175,647
Pierce	103,360	109,997	90,193	84,703	94,937	103,277
Ramsey	212,205	267,589	168,681	322,496	443,041	509,103
Ransom	105,195	114,043	109,998	56,407	114,925	104,122
Renville	27,882	22,902	24,248	20,483	21,829	28,357
Richland	236,052	252,484	267,368	248,183	437,908	451,497
Rolette	2,523,074	2,507,365	2,696,055	2,042,994	2,694,469	2,874,064
Sargent	72,095	88,660	82,248	59,180	70,653	68,157
Sheridan	45,485	49,807	39,339	21,741	35,169	43,060
Sioux	354,779	388,862	542,660	387,377	598,452	721,182
Slope	789	2.531	3,832	6,379	11,043	20,149
Stark	225,579	274,508	286,328	508,326	707,236	811,523
Steele	28,861	31,107	24,323	12,518	17,432	23,320
Stutsman	425,722	534,269	515,074	466,116	631,285	668,099
Towner	96,526	92,379	91,595	59,001	79,687	77,936
Traill	72,878	85,791	85,303	88,596	136,515	157,203
Walsh	263,106	290,249	281,994	203,540	289,665	290,164
Ward	1,342,671	1,497,918	1,339,850	1,305,464	1,784,086	1,787,077
Wells	77,050	88,832	73,322	47,181	55,495	66,778
Williams	381,273	349,252	330,480	440,168	678,569	824,225

SOURCE: Social Service Board of North Dakota, "Statistics," (fiscal years 1970-1982) - Fiscal Year Review for various years, and FR007 TECS report, "Eligibility Information System - AFDC Payment Summary" for fiscal years 1985-1987.

* Total amount reflects adjustments (refunds, cancellations, etc.) This information was only available statewide; therefore, the individual amounts for the counties do not reflect adjustments. No data was available for July, 1984 - September, 1984 (Fiscal Year 1985) due to conversion to computerized TECS system.

[1] Excludes Refugee Assistance.

[2] Includes 13 months of payments due to shifting from 2-month retrospective budgeting to 1-month retrospective budgeting. The normal increase was partially offset by implementation of Omnibus Reconcilation Act of 1981.

Statewide - No County Residence 32,582

TABLE 14.09

NORTH DAKOTA DEPARTMENT OF HUMAN SERVICES AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC) AVERAGE MONTHLY NUMBER OF FAMILIES RECEIVING PAYMENTS BY COUNTY SELECTED STATE FISCAL YEARS 1980-1987 (JULY 1 - JUNE 30)[1]

County	1980	1981	1982[2]	1985*	1986	1987
NORTH DAKOTA	4,540	4,775	4,172	4,386	4,740	5,030
Adams	12	15	11	7	8	12
Barnes	65	67	65	93	91	85
Benson	261	286	259	196	205	212
Billings	2	1	1	1	0	1
Bottineau	48	53	49	52	56	55
Bowman	12	8	9	13	17	16
Burke	17	18	13	10	14	17
Burleigh	329	362	314	432	496	534
Cass	522	591	493	486	480	490
Cavalier	35	35	31	26	22	21
Dickey	36	43	31	32	34	32
Divide	17	16	12	8	10	14
Dunn	30	35	27	31	33	42
Eddy	26	22	24	17	20	20
Emmons	7	9	7	13	12	12
Foster	27	32	29	18	18	21
Golden Valley	6	7	9	2	5	4
Grand Forks	303	300	246	313	381	406
Grant	16	14	10	7	10	12
Griggs	11	13	17	14	14	14
Hettinger	11	13	11	10	10	11
Kidder	26	27	20	16	13	16
LaMoure	19	21	18	14	17	21
Logan	11	14	10	2	3	2
McHenry	45	47	40	28	33	33
McIntosh	15	19	14	10	7	11
McKenzie	54	64	71	85	100	117
McLean	106	108	91	65	72	70
Mercer	38	45	48	29	34	31
Morton	124	153	146	162	176	176

TABLE 14.09--Continued

County	1980	1981	1982[2]	1985*	1986	1987
Mountrail	102	94	103	91	104	116
Nelson	12	18	15	9	10	11
Oliver	6	6	7	9	13	8
Pembina	96	101	73	34	40	45
Pierce	34	35	26	32	30	30
Ramsey	77	84	72	112	116	130
Ransom	37	38	31	22	31	29
Renville	9	7	6	6	4	6
Richland	77	74	66	74	102	103
Rolette	736	711	666	632	637	676
Sargent	23	24	21	21	18	17
Sheridan	18	17	11	9	10	14
Sioux	120	128	147	148	170	199
Slope	2	1	1	2	2	4
Stark	68	78	71	155	170	191
Steele	11	10	6	4	5	7
Stutsman	144	170	140	149	153	164
Towner	32	31	26	19	20	18
Traill	23	24	20	30	34	38
Walsh	89	88	77	66	73	69
Ward	430	457	354	411	429	434
Wells	26	26	19	17	17	18
Williams	137	115	88	142	161	195

SOURCE: Social Service of North Dakota, "Statistics," (fiscal years 1970-1982) Fiscal Year Review for various years, and FR007 TECS report, "Eligibility Information System-AFDC Payment Summary" for fiscal years 1985-1987.

[1] Excludes Refugee Assistance.

[2] The normal increase in caseload was offset and caseload was reduced by implementation of Omnibus Reconciliation Act of 1981.

* No data available for July, 1984-September, 1984 due to conversion to computerized TECS system. Average based on 9 months.

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TABLE 14.10

NORTH DAKOTA DEPARTMENT OF HUMAN SERVICES AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC) AVERAGE MONTHLY PAYMENT PER FAMILY BY COUNTY SELECTED STATE FISCAL YEARS 1980-1987 (JULY 1-JUNE 30)

County	1980	1981	1982	1985*	1986	1987
NORTH DAKOTA	$259.69	$277.58	$294.11	$345.29	$339.78	$342.37
Adams	277.86	238.48	266.74	274.79	310.43	283.74
Barnes	259.16	290.36	296.06	346.93	339.30	332.87
Benson	257.44	280.00	280.98	327.55	305.59	329.10
Billings	232.26	293.00	316.67	225.00	273.67	312.67
Bottineau	269.18	269.97	326.49	356.40	361.66	354.62
Bowman	231.99	201.88	244.32	325.48	314.75	306.65
Burke	276.82	293.30	312.58	299.70	296.15	306.63
Burleigh	246.16	269.01	288.03	350.66	345.64	349.37
Cass	264.82	285.61	299.81	349.28	346.10	343.02
Cavalier	271.56	296.32	292.00	301.22	302.62	323.41
Dickey	259.39	295.17	298.93	358.51	372.72	346.79
Divide	187.85	218.14	231.90	324.79	318.12	288.37
Dunn	235.07	237.19	265.34	305.03	312.03	307.56
Eddy	244.12	290.95	323.36	348.23	336.61	312.99
Emmons	229.64	274.03	298.52	305.34	273.20	287.81
Foster	275.44	318.33	330.66	344.88	343.21	335.42
Golden Valley	191.48	212.39	269.46	365.94	311.24	323.23
Grand Forks	264.19	283.26	297.83	372.11	360.89	374.38
Grant	275.27	295.26	285.21	254.20	261.94	265.55
Griggs	266.74	289.22	257.40	348.48	354.80	346.80
Hettinger	223.80	265.64	290.59	385.02	391.44	363.19
Kidder	203.04	210.10	238.75	318.77	313.24	313.98
LaMoure	262.44	244.97	261.13	283.54	275.93	299.61
Logan	273.04	296.50	309.98	333.90	310.17	290.26
McHenry	235.31	261.71	295.16	337.99	344.69	349.32
McIntosh	322.43	362.67	246.35	310.12	318.32	288.39
McKenzie	252.50	252.20	284.28	336.01	324.58	335.75
McLean	264.71	284.35	283.44	343.83	345.61	328.15
Mercer	248.86	264.90	285.93	319.93	324.99	315.84
Morton	260.35	283.13	296.79	350.26	356.88	350.17

TABLE 14.10--Continued

County	1980	1981	1982	1985*	1986	1987
Mountrail	$264.10	$295.16	$293.11	$335.15	$323.38	$324.93
Nelson	251.55	263.53	277.92	294.73	340.78	353.75
Oliver	159.82	151.62	244.27	274.05	290.54	297.07
Pembina	242.26	269.50	278.86	305.19	325.04	323.48
Pierce	255.21	265.05	262.95	290.08	267.43	284.51
Ramsey	229.41	265.46	287.67	319.62	317.14	325.93
Ransom	236.92	252.31	277.07	280.63	308.11	304.45
Renville	255.80	286.28	323.31	379.31	445.49	405.10
Richland	255.19	285.94	311.25	374.33	359.24	364.40
Rolette	285.64	293.84	311.50	359.30	352.59	354.30
Sargent	259.33	306.78	295.86	318.17	324.10	340.79
Sheridan	215.57	246.57	279.00	271.76	295.54	256.31
Sioux	247.40	253.33	283.08	289.95	294.08	302.38
Slope	171.16**	316.38	425.78	455.64	480.13	428.70
Stark	277.12	292.03	308.54	365.44	346.01	353.60
Steele	222.01	263.62	315.88	320.97	316.95	298.97
Stutsman	245.66	262.28	282.23	347.33	344.40	339.65
Towner	249.42	250.35	269.40	347.06	339.09	355.87
Traill	264.05	298.92	326.83	333.07	333.78	346.26
Walsh	245.20	274.34	283.41	342.66	332.18	348.34
Ward	260.26	273.34	291.27	353.02	346.76	343.07
Wells	246.17	286.55	293.29	308.37	266.80	316.48
Williams	232.62	252.25	288.63	344.96	351.23	351.78

SOURCE: Social Service Board of North Dakota, "Statistics," (fiscal years 1970-1982) - Fiscal Year Review for various years, and FR007 TECS report, "Eligibility Information System-AFDC Payment Summary" for fiscal years 1985-1987.

* No data available for July, 1984 - September, 1984 due to conversion to computerized TECS system.

** Corrected for $2,462 negative adjustment by using payments without negative adjustments.

TABLE 14.11

NORTH DAKOTA DEPARTMENT OF HUMAN SERVICES AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC) AVERAGE MONTHLY NUMBER OF RECIPIENTS BY COUNTY SELECTED STATE FISCAL YEARS 1980-1987 (JULY 1-JUNE 30)

County	1980	1981	1982[1]	1985*	1986	1987
NORTH DAKOTA	12,526	12,974	11,327	12,290	13,153	13,914
Adams	32	40	27	18	21	32
Barnes	182	187	169	259	247	233
Benson	772	845	743	604	637	667
Billings	7	1	3	2	1	2
Bottineau	129	136	136	164	171	157
Bowman	35	22	21	39	48	47
Burke	48	56	42	28	36	44
Burleigh	820	906	806	1,171	1,328	1,435
Cass	1,377	1,536	1,279	1,294	1,293	1,309
Cavalier	105	103	86	73	65	61
Dickey	97	121	94	96	105	89
Divide	35	36	27	24	24	38
Dunn	83	96	67	83	92	115
Eddy	76	71	73	51	55	60
Emmons	19	23	19	30	28	27
Foster	82	93	86	53	50	57
Golden Valley	20	17	21	6	12	11
Grand Forks	843	836	675	851	1,031	1,105
Grant	47	42	30	19	30	35
Griggs	34	36	41	43	44	44
Hettinger	30	36	30	32	30	31
Kidder	71	67	56	50	39	47
LaMoure	56	56	41	35	44	61
Logan	32	40	29	8	8	8
McHenry	117	119	105	77	93	92
McIntosh	51	57	38	22	17	25
McKenzie	145	167	187	242	279	325
McLean	309	309	256	192	212	203
Mercer	102	115	123	85	94	81
Morton	329	397	387	473	511	512

TABLE 14.11--Continued

County	1980	1981	1982[1]	1985*	1986	1987
Mountrail	282	270	288	262	289	319
Nelson	37	51	35	23	28	32
Oliver	13	13	15	22	31	18
Pembina	263	266	189	91	110	119
Pierce	97	94	68	85	71	77
Ramsey	201	214	193	310	320	349
Ransom	107	97	81	55	83	74
Renville	30	25	20	20	13	16
Richland	217	214	187	203	262	265
Rolette	2,146	2,046	1,900	1,889	1,878	1,967
Sargent	57	65	58	55	48	45
Sheridan	46	49	33	21	21	30
Sioux	334	343	397	379	438	524
Slope	3	2	2	8	8	15
Stark	188	215	196	417	448	508
Steele	28	25	17	10	11	17
Stutsman	399	465	385	435	439	458
Towner	81	74	64	57	57	56
Traill	68	69	58	84	101	104
Walsh	252	242	204	193	208	198
Ward	1,167	1,197	944	1,125	1,163	1,172
Wells	70	72	57	47	43	49
Williams	355	300	239	375	438	549

SOURCE: Social Service Board of North Dakota, "Statistics," (fiscal years 1970-1982) - Fiscal Year Review for various years, and FR007 TECS report, "Eligibility Information System-AFDC Payment Summary" for fiscal years 1985-1987.

[1] The normal increase was offset and number of recipients reduced by implementation of Omnibus Reconciliation Act of 1981.

* No data was available for July, 1984 - September, 1984 due to conversion to computerized TECS system.

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TABLE 14.12

NORTH DAKOTA DEPARTMENT OF HUMAN SERVICES MEDICAL ASSISTANCE UNDER TITLE XIX TOTAL MEDICAL PAYMENTS BY COUNTY SELECTED STATE FISCAL YEARS 1970-1987* PHYSICAL COUNTY

County	1970	1975	1980	1982	1986[1]	1987[1]
NORTH DAKOTA	11,432,682	23,914,297	47,882,237	64,526,396	94,917,832	103,480,535
Adams	42,025	179,431	370,275	470,797	823,790	796,477
Barnes	339,743	489,462	1,073,447	1,329,436	1,857,984	1,987,613
Benson	377,226	895,408	1,210,425	1,834,007	1,487,921	1,629,323
Billings	13,195	30,177	39,101	63,651	20,954	101,251
Bottineau	186,451	337,850	547,940	866,283	1,453,414	1,617,752
Bowman	83,103	134,187	234,234	389,003	570,271	528,944
Burke	96,460	169,076	282,089	300,739	108,025	992,099
Burleigh	518,424	1,172,457	2,691,148	4,214,816	7,798,428	9,660,999
Cass	958,963	2,439,421	5,276,171	7,268,885	8,825,051	9,201,519
Cavalier	133,117	326,447	633,476	905,758	886,861	1,092,960
Dickey	214,081	464,703	910,621	1,139,023	1,724,605	1,839,152
Divide	58,008	147,154	265,030	395,823	422,309	598,854
Dunn	96,668	236,454	424,604	773,611	259,758	515,669
Eddy	147,008	220,791	427,947	548,765	976,445	959,384
Emmons	150,452	280,872	430,627	638,877	601,348	835,506
Foster	125,256	286,242	444,605	644,447	1,044,614	887,472
Golden Valley	35,489	49,299	119,327	220,951	82,365	638,646
Grand Forks	809,756	1,345,158	2,790,052	4,070,547	6,061,127	6,121,876
Grant	100,045	173,793	497,662	482,172	496,870	569,239
Griggs	88,671	191,384	305,758	490,172	710,567	672,059
Hettinger	50,481	106,532	341,012	488,025	585,625	668,404
Kidder	108,191	247,821	499,728	565,224	397,928	460,290
LaMoure	124,698	236,061	455,767	495,628	445,305	406,204
Logan	87,958	196,960	364,602	476,880	350,505	403,646
McHenry	197,410	484,474	926,611	1,386,420	433,451	572,394
McIntosh	136,887	281,876	501,819	671,571	1,134,666	1,220,600
McKenzie	153,014	398,598	439,946	721,534	857,110	1,416,303
McLean	380,707	695,015	1,260,003	1,482,953	2,253,210	2,290,061
Mercer	148,900	220,350	584,751	900,073	1,135,745	1,653,191
Morton	409,835	833,759	1,855,548	2,446,508	3,875,491	3,687,549

TABLE 14.12--Continued

County	1970	1975	1980	1982	1986[1]	1987[1]
Mountrail	275,355	466,423	789,504	1,114,162	1,939,574	2,152,845
Nelson	211,585	321,555	493,847	733,047	1,122,194	1,136,176
Oliver	33,215	57,007	137,808	147,957	41,555	167,762
Pembina	253,567	424,768	692,653	1,191,135	1,267,647	1,402,881
Pierce	102,685	301,137	623,465	810,259	1,365,360	1,571,332
Ramsey	240,645	515,648	1,012,862	1,407,115	2,082,695	2,147,345
Ransom	132,041	322,867	790,125	814,861	1,996,077	1,540,351
Renville	45,009	119,485	134,392	169,067	248,410	482,058
Richland	357,783	667,027	1,246,981	1,602,489	2,664,657	2,841,652
Rolette	378,727	1,393,826	3,158,720	3,672,267	4,207,101	4,989,507
Sargent	93,720	325,294	568,767	747,680	498,072	465,063
Sheridan	93,855	142,450	309,368	426,363	294,479	363,586
Sioux	45,961	109,605	251,777	434,556	992,487	1,174,070
Slope	14,819	45,248	87,098	137,243	20,713	341,527
Stark	196,469	676,770	1,533,710	2,221,435	4,340,844	3,873,446
Steele	72,563	145,565	229,757	255,496	82,136	677,703
Stutsman	480,032	904,891	1,839,249	2,320,743	6,674,096	6,154,021
Towner	121,221	188,973	455,695	545,890	790,317	1,010,860
Traill	211,395	393,713	825,385	1,042,865	1,304,055	1,598,580
Walsh	306,055	501,010	1,103,806	1,421,950	1,902,825	2,713,468
Ward	824,337	1,458,667	3,277,594	4,182,432	7,735,082	7,570,104
Wells	204,344	355,428	680,636	781,788	1,566,908	1,730,998
Williams	365,077	805,728	1,425,712	1,639,011	3,290,809	3,269,819

Source: Social Services Board of North Dakota, "Statistics", fiscal years 1970-1982. Data for fiscal years 1986 and 1987 extracted from SAS report CMSSS20 "Abstract" and reconciled with Research and Statistics monthly appropriation tables.

** Excludes medicaid services for intermediate care facilities - mentally retarded (Grafton/San Haven and other) and medicaid services provided under the medicaid waiver for developmentally disabled persons.

[1] County totals include inpatient hospital, outpatient hospital, skilled nursing home care, intermediate care facilities, physicians services, dental services, drugs, laboratory and radiology, state hospital, other services (chiropractor, etc.), medicaid waiver for the aged and disabled, refugee assistance, remedial blind, Indian Health.

TABLE 14.13

MEDICAL ASSISTANCE AVERAGE NUMBER OF RECIPIENTS SELECTED STATE FISCAL YEARS 1979-1987 BY PHYSICAL COUNTY OF RESIDENCE

County	1979	1980	1981	1982	1986	1987
NORTH DAKOTA*	12,773	13,854	14,594	14,534	17,781	19,490
Adams	66	75	87	82	95	108
Barnes	280	299	303	334	371	393
Benson	431	438	463	507	541	546
Billings	10	10	8	12	2	7
Bottineau	172	181	197	205	258	274
Bowman	51	49	47	49	82	89
Burke	72	77	88	75	54	72
Burleigh	830	897	983	1,001	1,632	1,917
Cass	1,299	1,447	1,610	1,674	1,937	2,097
Cavalier	190	198	196	189	148	158
Dickey	202	213	232	229	290	293
Divide	72	72	76	74	92	100
Dunn	113	113	117	107	69	89
Eddy	107	112	109	109	134	145
Emmons	112	117	129	126	124	132
Foster	103	111	127	132	143	150
Golden Valley	36	37	34	32	31	37
Grand Forks	788	877	907	882	1,287	1,375
Grant	99	108	110	109	101	108
Griggs	70	68	75	89	103	108
Hettinger	76	95	103	96	115	114
Kidder	108	121	127	111	85	91
LaMoure	103	116	119	112	125	138
Logan	86	103	108	106	82	85
McHenry	219	217	239	233	146	162
McIntosh	121	134	148	161	164	175
McKenzie	137	131	137	147	196	257
McLean	324	330	350	324	326	350
Mercer	153	166	184	202	193	209
Morton	462	517	576	613	789	854

TABLE 14.13--Continued

Mountrail	233	245	246	261	338	380
Nelson	105	108	128	129	148	154
Oliver	29	31	35	34	24	21
Pembina	304	331	342	326	265	260
Pierce	138	150	158	151	193	194
Ramsey	265	267	309	316	463	539
Ransom	156	175	173	154	195	204
Renville	57	45	43	43	44	53
Richland	348	371	370	362	520	571
Rolette	1,062	1,223	1,234	1,135	1,137	1,243
Sargent	139	139	135	136	111	113
Sheridan	83	92	93	96	59	69
Sioux	65	89	100	116	139	195
Slope	13	14	16	16	8	10
Stark	296	332	359	381	686	77
Steele	53	56	61	56	29	33
Stutsman	542	581	613	630	832	844
Towner	108	121	112	113	118	123
Traill	175	179	179	179	197	210
Walsh	286	314	323	317	368	416
Ward	867	982	1,017	962	1,410	1,518
Wells	141	155	160	148	207	222
Williams	416	425	399	351	575	714

SOURCE: Department of Human Services, "Statistics," fiscal years 1979-1982; report SB2-480-DD for fiscal years 1986 and 1987.

* Does not include individuals on whose behalf medicare premiums were paid and received other medical service.

TABLE 14.14

NORTH DAKOTA DEPARTMENT OF HUMAN SERVICES MEDICAL ASSISTANCE UNDER TITLE XIX AVERAGE MONTHLY PAYMENTS PER RECIPIENT BY PHYSICAL COUNTY OF RESIDENCE SELECTED STATE FISCAL YEARS 1980-1987*

County	1980	1981	1982	1986	1987
TOTAL	288.02	320.44	369.97	444.85	442.45
Adams	411.42	456.39	478.45	722.62	614.57
Barnes	299.18	331.15	331.70	417.34	421.46
Benson	230.29	285.39	301.45	229.19	248.68
Billings	325.84	504.14	442.02	1,206.41	2,157.75
Bottineau	252.27	282.45	352.15	469.45	492.02
Bowman	398.36	439.10	661.57	579.54	495.27
Burke	305.29	316.94	343.04	166.70	1,148.26
Burleigh	250.01	310.51	350.88	398.20	419.97
Cass	303.86	299.68	361.85	379.67	365.66
Cavalier	266.61	331.20	399.36	499.36	576.46
Dickey	356.27	378.07	414.49	495.58	523.08
Divide	306.75	351.00	445.75	382.53	499.05
Dunn	313.13	390.71	602.50	313.72	482.84
Eddy	318.41	313.77	419.55	607.24	551.37
Emmons	306.71	364.75	422.54	404.13	527.47
Foster	333.79	293.38	406.85	608.75	493.01
Golden Valley	268.75	252.53	596.23	221.41	1,438.39
Grand Forks	265.11	299.20	385.35	444.26	371.02
Grant	384.00	372.86	368.63	409.96	439.23
Griggs	374.70	405.77	458.96	574.89	518.56
Hettinger	299.13	294.35	423.63	424.37	488.60
Kidder	344.17	360.79	424.34	390.13	421.51
LaMoure	327.42	353.94	368.77	296.87	245.29
Logan	294.99	401.74	374.91	356.20	395.73
McHenry	355.84	392.16	495.86	247.40	294.44
McIntosh	312.08	325.16	347.60	576.56	581.24
McKenzie	279.86	340.23	409.03	364.42	459.24
McLean	318.18	335.28	381.42	575.97	545.25
Mercer	293.55	348.53	371.32	490.39	659.17
Morton	299.09	348.02	332.59	409.33	359.83

TABLE 14.14--Continued

County	1980	1981	1982	1986	1987
Mountrail	271.60	288.46	355.73	478.20	472.12
Nelson	381.05	435.71	473.54	631.87	614.81
Oliver	370.45	279.02	362.64	144.29	665.72
Pembina	174.38	240.89	304.48	398.63	449.64
Pierce	346.37	404.10	447.16	589.53	674.97
Ramsey	316.12	344.59	371.07	374.86	332.00
Ransom	376.25	351.63	440.94	853.02	629.23
Renville	248.87	236.05	327.65	470.47	757.95
Richland	280.09	331.43	368.90	427.03	414.72
Rolette	215.23	267.30	269.62	308.35	334.51
Sargent	340.99	355.90	458.14	373.93	342.97
Sheridan	280.22	296.88	370.11	415.93	439.11
Sioux	235.75	302.96	312.18	595.02	501.74
Slope	518.44	563.19	714.81	215.76	2,846.06
Stark	384.97	451.31	485.88	527.31	418.66
Steele	341.90	379.44	380.20	236.02	1,711.37
Stutsman	263.81	286.67	306.98	668.48	607.62
Towner	313.84	298.80	402.57	558.13	684.86
Traill	384.26	434.32	485.51	551.63	634.36
Walsh	292.94	328.65	373.80	430.89	543.56
Ward	278.14	275.98	362.30	457.16	415.57
Wells	365.93	428.74	440.20	630.80	649.77
Williams	279.55	316.45	389.13	476.93	381.63

SOURCE: Department of Human Services Research Unit.

TABLE 14.15

NORTH DAKOTA DEPARTMENT OF HUMAN SERVICES FOOD STAMP PROGRAM MONTHLY AVERAGE HOUSEHOLDS AND PERSONS RECEIVING BY COUNTY SELECTED STATE FISCAL YEARS 1980-1987

County	Households Receiving				Persons Receiving			
	1980	1985	1986	1987	1980	1985	1986	1987
NORTH DAKOTA	8,266	11,161	12,081	13,000	23,507	32,224	34,872	37,149
Adams	11	33	36	39	19	88	96	106
Barnes	142	251	265	273	351	668	713	731
Benson	229	259	284	288	863	1,052	1,137	1,151
Billings/G. Valley	13	41	49	57	37	129	148	172
Bottineau	129	150	164	189	374	455	493	554
Bowman/Slope	26	55	67	91	53	138	187	282
Burke	33	45	46	57	82	135	143	182
Burleigh	584	981	1,151	1,220	1,526	2,616	3,084	3,251
Cass	903	1,073	1,115	1,205	2,218	2,626	2,678	2,842
Cavalier	95	113	106	105	282	326	311	313
Dickey	108	148	160	167	297	442	491	517
Divide	21	30	34	44	41	83	89	121
Dunn	29	60	68	80	80	193	234	263
Eddy	58	73	86	93	137	210	240	233
Emmons	87	90	92	98	286	294	298	321
Foster	53	64	65	75	149	167	162	200
Grand Forks	886	912	992	962	2,536	2,482	2,695	2,538
Grant	84	119	125	154	255	398	427	471
Griggs	47	71	75	81	117	194	203	217
Hettinger	43	46	53	64	102	124	141	197
Kidder	66	78	82	81	183	250	272	258
LaMoure	76	99	100	95	189	301	304	286
Logan	57	66	61	66	189	229	207	220
McHenry	116	163	177	193	319	455	527	559
McIntosh	86	88	95	96	217	215	231	243
McKenzie	82	165	187	222	299	626	674	787
McLean	143	181	199	212	455	525	584	618
Mercer	78	100	119	124	225	290	332	323
Morton	321	568	630	653	881	1,692	1,890	1,934

TABLE 14.15--Continued

County	Households Receiving 1980	1985	1986	1987	Persons Receiving 1980	1985	1986	1987
Mountrail	77	187	197	212	203	582	609	648
Nelson	39	57	51	51	72	130	136	131
Oliver	17	22	27	24	42	68	76	72
Pembina	184	161	158	176	559	431	449	517
Pierce	68	107	116	110	233	356	366	331
Ramsey	174	260	307	344	437	672	785	886
Ransom	92	133	141	146	261	352	376	375
Renville	16	21	26	33	45	54	72	79
Richland	230	311	350	369	684	937	999	1,012
Rolette	581	726	724	780	2,190	2,683	2,670	2,812
Sargent	78	109	108	99	186	305	304	273
Sheridan	57	80	92	99	154	224	284	300
Sioux	54	118	121	151	232	574	594	689
Stark	176	484	547	611	458	1,249	1,415	1,609
Steele	28	31	30	33	50	73	72	70
Stutsman	413	501	509	544	920	1,212	1,239	1,348
Towner	50	78	76	78	129	216	224	241
Traill	99	129	122	133	323	405	403	438
Walsh	217	215	233	237	782	692	758	787
Ward	712	923	942	999	2,033	2,567	2,578	2,668
Wells	79	103	122	137	211	264	328	364
Williams	219	283	399	550	541	775	1,144	1,609

SOURCE: Social Service Board of North Dakota, Statistics, various years.

TABLE 14.16

NORTH DAKOTA DEPARTMENT OF HUMAN SERVICES FOOD STAMP PROGRAM
VALUE OF STAMPS ISSUED BY COUNTY
SELECTED STATE FISCAL YEARS 1980-1987

County	1980	1985	1986	1987
NORTH DAKOTA	$8,539,915	$15,278,313	$16,917,004	$18,838,833
Adams	7,599	37,802	40,801	47,230
Barnes	120,690	319,208	347,711	361,335
Benson	293,165	498,169	567,439	567,304
Billings/G. Valley	13,629	63,171	71,803	90,824
Bottineau	131,344	207,760	224,454	282,062
Bowman/Slope	17,935	70,588	98,335	151,202
Burke	27,079	66,593	73,554	96,270
Burleigh	546,795	1,211,109	1,460,020	1,585,052
Cass	849,890	1,207,346	1,253,944	1,360,182
Cavalier	99,052	162,375	149,451	159,864
Dickey	105,270	202,534	236,168	267,285
Divide	16,692	37,186	39,996	65,080
Dunn	25,853	94,777	117,764	147,647
Eddy	49,379	98,345	119,391	126,804
Emmons	123,762	149,571	163,903	180,352
Foster	43,798	73,776	73,966	92,123
Grand Forks	909,568	1,176,109	1,256,203	1,271,747
Grant	101,499	207,868	225,613	268,768
Griggs	42,292	95,260	90,500	98,760
Hettinger	36,689	58,516	70,652	105,217
Kidder	73,437	129,134	139,754	142,923
LaMoure	82,248	137,339	146,328	151,531
Logan	84,938	105,248	103,647	114,238
McHenry	125,502	229,790	277,851	320,240
McIntosh	80,151	99,770	108,335	122,779
McKenzie	138,155	292,777	338,376	414,065
McLean	150,690	250,553	293,161	324,398
Mercer	85,204	134,523	160,077	166,484
Morton	319,822	822,843	960,090	996,770

TABLE 14.16--Continued

County	1980	1985	1986	1987
Mountrail	$71,423	$271,378	$307,669	$347,463
Nelson	21,965	59,387	65,018	67,123
Oliver	15,770	39,288	44,935	39,979
Pembina	215,747	203,331	227,136	263,647
Pierce	91,005	171,592	183,650	172,517
Ramsey	145,789	310,966	357,079	417,159
Ransom	104,911	172,753	194,352	200,464
Renville	13,231	28,456	36,626	43,268
Richland	282,921	465,928	490,914	527,074
Rolette	722,858	1,347,796	1,386,074	1,523,813
Sargent	65,331	138,681	138,698	131,294
Sheridan	66,081	113,802	150,662	168,184
Sioux	70,076	250,523	274,345	334,024
Stark	160,246	602,004	675,373	866,781
Steele	16,248	28,759	30,202	29,491
Stutsman	321,635	546,519	562,967	638,324
Towner	36,649	102,510	95,973	111,141
Traill	149,043	208,433	198,767	233,427
Walsh	343,632	329,972	379,704	414,081
Ward	658,440	1,147,403	1,172,306	1,283,700
Wells	64,276	133,638	159,874	183,480
Williams	200,431	365,154	567,385	823,813

SOURCE: Social Service Board of North Dakota, Statistics, various years.

TABLE 14.18

NORTH DAKOTA WORKMEN'S COMPENSATION: NUMBER OF CLAIMS BY GENERAL CAUSE, SELECTED BIENNIA, 1949-1985

General Cause	Number of Claims for Biennium Ending June 30				
	1950	1955	1960	1964	1970
Machinery	1,673	3,236	2,148	2,740	2,891
Boiler & Steam Pres. Oper.	16	80	7	2	1
Vehicles	1,108	1,377	1,205	1,504	1,561
Explosives, Elec. Fires, etc.	1,166	1,452	1,287	1,794	1,541
Poisonous Substances	613	466	205	74	75
Falls of Persons	3,083	2,755	4,531	4,641	4,945
Stepping on or Striking Against Objs.	1,345	1,516	1,567	2,045	1,673
Falling Objects	374	495	570	843	740
Objects Handled	9,638	8,867	11,615	11,551	11,963
Hand Tools	4,150	2,818	1,846	2,585	2,279
Animals	149	234	228	248	273
Miscellaneous	1,913	2,613	3,112	3,064	2,212
Total	25,228	25,909	28,321	31,091	30,154
	1975	1979	1981	1983	1985
Machinery	2,842	5,016	4,504	2,827	2,566
Boiler & Steam Pres. Oper.	5	10	6	25	12
Vehicles	2,037	2,377	2,518	1,665	1,712
Explosives, Elec. Fires, etc.	1,329	1,569	1,650	1,226	1,501
Poisonous Substances	412	473	588	716	586
Falls of Persons	5,148	7,199	6,709	7,442	6,764
Stepping on or Striking Against Objs.	2,683	2,368	3,533	2,319	1,845
Falling Objects	1,780	1,055	1,419	499	471
Objects Handled	12,416	15,934	16,354	17,753	17,743
Hand Tools	3,131	33,553	3,628	5,209	4,754
Animals	304	243	257	219	252
Miscellaneous	3,915	4,578	4,681	5,973	6,836
Total	36,002	44,375	45,847	45,873	45,042

SOURCE: North Dakota Workmen's Compensation Bureau, Biennial Report and Annual Report, various years.

TABLE 14.19

NORTH DAKOTA WORKMEN'S COMPENSATION: TOTAL AWARDS BY GENERAL CAUSE, SELECTED BIENNIA*, 1949-50 THROUGH 1980-1985

General Cause	Total Awards or Biennnium Ending June 30			
	1950	1955	1960	1970
Machinery	148,120	294,245	559,611	523,293
Boiler & Steam Pres. Oper.	388	1,996	154	14
Vehicles	599,384	606,148	673,500	1,898,406
Explosives, Elec. Fires, etc.	134,099	190,131	361,413	605,383
Poisonous Substances	34,149	50,280	28,057	17,094
Falls of Persons	353,201	550,758	670,725	1,541,123
Stepping on or Striking Against Objs.	40,305	50,558	64,055	101,842
Falling Objects	92,408	80,568	98,168	151,553
Objects Handled	369,612	501,215	772,666	1,947,912
Hand Tools	79,327	99,205	85,018	126,580
Animals	8,731	12,808	12,265	33,791
Miscellaneous	81,940	195,501	363,908	451,105
Total	1,941,663	2,633,410	3,689,539	7,398,006

	1975	1981	1983	1985
Machinery	605,775	2,714,253	3,363,240	2,572,502
Boiler & Steam Pres. Oper.	100	688	10,260	3,797
Vehicles	2,465,880	3,958,290	3,853,282	5,849,011
Explosives, Elec. Fires, etc.	442,304	1,256,354	1,058,857	3,088,203
Poisonous Substances	47,660	255,437	477,478	580,116
Falls of Persons	2,149,110	4,790,950	6,370,215	10,732,117
Stepping on or Striking Against Objs.	206,147	625,686	500,564	1,021,966
Falling Objects	489,485	1,298,041	636,996	857,600
Objects Handled	3,033,595	7,220,877	9,434,009	16,507,081
Hand Tools	306,587	825,586	904,374	1,227,099
Animals	77,176	87,303	126,445	242,444
Miscellaneous	884,012	1,413,754	2,526,832	6,214,192
Total	10,707,831	24,417,219	30,062,552	48,926,128

SOURCE: North Dakota Workmen's Compensation Bureau, Biennial Report and Annual Report, various years, and calculations.

* Columns may not add to total due to rounding.

15.00

EDUCATION

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TABLE 15.01

PERSONS 18 YEARS AND OVER BY YEARS OF SCHOOL COMPLETED, 1980

County	Less Than 4 Years of High School	4 Years of High School	1 to 3 Years of College	4 Years of College	5 or More Years of College
NORTH DAKOTA	137,310 (29.8%)	157,905 (34.2%)	105,817 (23.0%)	38,880 (8.4%)	21,141 (4.6%)
Adams	770	993	549	160	87
Barnes	3,052	3,515	2,398	846	436
Benson	2,164	1,637	841	302	108
Billings	270	287	137	57	9
Bottineau	2,417	2,208	1,384	490	161
Bowman	875	1,066	632	192	97
Burke	1,043	968	504	185	57
Burleigh	8,111	12,816	10,173	4,920	2,436
Cass	12,407	21,640	19,071	7,262	4,836
Cavalier	1,998	1,783	1,073	393	140
Dickey	1,822	1,594	1,165	351	168
Divide	1,024	837	498	162	69
Dunn	1,193	1,080	613	194	33
Eddy	1,069	747	510	193	60
Emmons	2,087	1,072	454	226	92
Foster	1,174	1,037	656	230	108
Golden Valley	513	495	391	143	89
Grand Forks	9,124	16,927	13,169	4,797	3,720
Grant	1,416	791	489	169	55
Griggs	1,031	935	547	175	64
Hettinger	1,274	929	527	188	87
Kidder	1,218	818	373	161	69
LaMoure	1,836	1,475	828	300	120
Logan	1,388	609	325	85	34
McHenry	2,368	1,777	973	314	117
McIntosh	2,186	720	511	160	85
McKenzie	1,660	1,686	1,008	250	143
McLean	3,116	2,881	1,636	658	242
Mercer	2,480	2,119	1,256	421	185
Morton	6,092	6,111	2,963	1,194	526

TABLE 15.01--Continued

County	Less Than 4 Years of High School	4 Years of High School	1 to 3 Years of College	4 Years of College	5 or More Years of College
Mountrail	1,948	1,815	1,035	327	152
Nelson	1,452	1,374	734	242	105
Oliver	682	587	275	82	18
Pembina	2,741	2,321	1,466	590	228
Pierce	1,832	1,202	805	297	36
Ramsey	2,843	3,169	2,144	745	349
Ransom	1,728	1,727	885	319	151
Renville	807	895	570	158	82
Richland	4,119	5,217	3,859	809	372
Rolette	3,589	2,009	1,067	416	186
Sargent	1,324	1,448	761	201	82
Sheridan	1,082	550	280	90	43
Sioux	845	728	267	102	50
Slope	275	223	194	77	6
Stark	5,045	5,588	3,575	1,218	755
Steele	731	733	482	208	51
Stutsman	5,675	6,346	3,137	1,494	690
Towner	1,032	988	614	235	68
Traill	2,219	2,107	1,869	611	292
Walsh	4,984	3,289	1,816	662	255
Ward	8,984	16,271	9,770	3,452	1,962
Wells	2,145	1,616	808	300	124
Williams	4,050	6,149	3,750	1,059	651

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Census of Population, Number of Inhabitants--North Dakota, 1980, computerized material, Census Users Bureau, University of North Dakota.

TABLE 15.02

NORTH DAKOTA'S RANK AMONG THE STATES IN VARIOUS EDUCATIONAL CATEGORIES

Category	Rank
Average Daily Attendance as Percent of Average Daily Membership, 1983-1984 (96%)	2/51
Pupils Per Teacher in Public Elementary and Secondary Schools, 1983-1984 (16:1)	13/51
Estimated Average Salaries of Classroom Teachers as Percent of National Average, 1983-1984 ($19,830)	36/51
Estimated Average Salaries of Classroom Teachers as Percent of National Average, 1983-1984 (86.2%)	36/51
Per Capita Disposable Personal Income, 1982-1983 ($10,877)	25/51
Percent of Public and Private Elementary and Secondary School Enrollment Participating in Federally Subsidized School Lunch Program, 1979 (74.2%)	16
Estimated Percent of Revenue for Public Elementary and Secondary Schools From Local Governments, 1982-1983 (32.8%)	36/51
Estimated Percent of Revenue for Public Elementary and Secondary Schools From State Governments, 1982-1983 (52.9%)	22/51
Per Capita Total Expenditures of State and Local Governments for All Education, 1982-1983 ($70.92)	NA
Total Current Expenditures for Public Elementary and Secondary Schools in 1982-1983 as a Percent of Personal Income in 1982 (5.2%)	14/51
Per Capita State Expenditures for State Institutions of Higher Education, 1982-1983 ($301.19)	4/51
Current Expenditures Per Pupil in Average Daily Attendance in Public Elementary and Secondary Schools, 1983-1984 (Unadjusted $2,853)	26/51
Estimated Undergraduate Tuition and Fees and Room and Board in Higher Education Institutions, 1984-1985 ($2,724)	44/50
Higher Education Current-fund Revenue as a Percent of Personal Income, 1981-1982 (1.41%)	6/51

SOURCE: North Dakota Dept. of Public Instruction, Biennial Report, various years; National Center for Education Statistics, Statistics of Public Elementary and Secondary Day Schools, 1979 and Digest of Educational Statistics, 1985-1986.

TABLE 15.03

PER CAPITA DIRECT EDUCATIONAL EXPENDITURES OF STATE AND LOCAL GOVERNMENTS AS A PERCENT OF PER CAPITA INCOME, THE UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, 1982-1983

State	Per Capita Income	Per Capita Educational Expenditures	Percent of Per Capita Income
United States	$11,113.00	$700.38	6.3%
NORTH DAKOTA	10,877.00	861.88	7.9
South Dakota	9,366.00	637.14	6.8
Montana	9,618.00	856.51	8.9
Nebraska	10,885.00	755.85	6.9
Minnesota	11,277.00	811.18	7.2
Wyoming	12,157.00	1,355.50	11.1

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1985-1986.

TABLE 15.04

ESTIMATED CURRENT EXPENDITURE PER PUPIL IN AVERAGE DAILY ATTENDANCE IN PUBLIC ELEMENTARY AND SECONDARY DAY SCHOOLS, THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, 1983-1984

State	Total	Current*	Capital Outlay	Interest on School Debt
United States	$3,478	$3,219	$190	$69
NORTH DAKOTA	3,280	2,990	259	31
South Dakota	2,930	2,703	219	16
Montana	4,171	3,721	387	63
Nebraska	3,063	2,896	98	69
Minnesota	3,625	3,343	194	88
Wyoming	5,919	4,468	1,244	208

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1985-1986.

* Includes expenditures for day schools only; excludes adult education, community colleges, and community services.

TABLE 14.17

NORTH DAKOTA UNEMPLOYMENT INSURANCE STATISTICS,* SELECTED YEARS, 1940-1985

Year	Average Weekly Insured Unemployment	Subject Employers	Covered Employment	Initial Claims	New Claims Disposed of	Number Allowed Benefits	Claimants Exhausting Benefits	Number Weekly Benefit Claims	Average Duration Compensated Unemployment	Total Benefits Paid	Average Weekly Benefit
1940	NA	1,238	27,381	14,915	9,910	6,727	3,337	89,605	11.7	$619,766	$9.40
1945	NA	1,529	29,665	1,476	641	470	31	3,236	6.7	22,179	12.57
1950	4.0	2,518	46,348	11,564	9,805	7,545	1,668	111,203	13.1	1,984,830	20.05
1955	5.2	3,116	50,663	15,201	12,176	9,656	2,481	138,615	13.9	3,206,088	25.50
1960	5.6	5,842	75,187	23,588	16,578	12,389	2,096	171,607	14.4	4,882,603	28.45
1965	4.1	6,346	86,916	19,880	15,098	11,266	1,989	145,475	14.8	5,652,426	38.85
1970	3.0	6,565	96,950	19,175	11,892	8,956	1,212	98,029	13.1	4,368,501	44.56
1975	2.9	15,033	158,640	30,107	21,282	16,075	3,445	194,932	15.1	11,801,797	60.54
1976	3.3	15,673	168,007	43,249	31,254	19,280	3,844	209,177	15.4	14,654,464	70.06
1977	2.9	16,015	174,175	47,622	35,180	21,497	4,796	267,054	13.8	21,829,482	81.74
1978	2.4	17,999	205,226	38,821	28,763	19,086	4,301	252,989	13.7	21,999,614	86.96
1979	2.6	18,336	214,836	41,083	26,849	22,094	4,522	254,893	14.8	22,893,175	89.81
1980	3.3	18,366	215,840	50,253	31,000	26,759	8,206	323,076	13.9	34,938,174	108.14
1981	2.9	18,390	220,051	44,418	27,033	26,119	8,250	293,290	14.6	33,297,176	117.11
1982	3.6	18,467	230,367	58,055	40,565	30,191	9,529	375,266	13.6	47,500,379	126.58
1983	3.7	18,568	231,609	56,191	40,609	27,980	12,893	408,116	15.7	55,485,776	135.96
1984	3.0	18,449	233,269	50,962	35,617	24,885	9,763	336,534	14.8	46,278,945	137.52
1985	3.1	18,386	232,610	50,467	33,435	24,733	9,137	333,114	14.8	46,899,173	140.79

SOURCE: Job Service North Dakota, Annual Report, various years.

* Excludes UCFE and UCX programs.

TABLE 15.05

REVENUE RECEIPTS OF PUBLIC ELEMENTARY AND SECONDARY SCHOOLS BY SOURCE, THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, 1982-1983.

State	Total	Federal		State		Local and Other*	
	($000)	Amount ($000)	Percent of Total	Amount ($000)	Percent of Total	Amount ($000)	Percent of Total
United States	$116,911,604	$8,338,804	7.1%	$56,450,781	48.3%	$52,122,018	44.6%
NORTH DAKOTA	380,918	33,785	8.9	201,675	52.9	145,458	38.2
South Dakota	336,892	38,686	11.5	92,267	27.4	205,939	61.1
Montana	536,232	41,962	6.2	261,815	48.8	232,455	43.3
Nebraska	807,970	50,439	6.2	219,237	27.1	538,294	66.6
Minnesota	2,329,358	111,275	4.8	1,053,621	45.2	1,164,462	50.0
Wyoming	566,692	17,719	3.1	163,121	28.8	385,852	68.1

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1985-1986.

* Includes revenue receipts from local and intermediate sources, gifts, and tuition and fees from patrons.

TABLE 15.07

NUMBER OF NORTH DAKOTA SCHOOL DISTRICTS, SCHOOLS, GRADE SCHOOL AND HIGH SCHOOL ENROLLMENTS, AVERAGE PER PUPIL INSTRUCTIONAL COSTS AND AVERAGE SALARIES, SELECTED YEARS, 1946-1981

Year	No. of Dist.	No. of Dist.	Grade Enroll-ment	H.S. Enroll-ment	Average Salary	Average Cost Per Pupil
1946	2,271	3,588	87,173	27,418	$1,417.00	$123.06
1950	2,250	3,272	87,636	26,852	2,162.00	196.36
1955	2,055	2,964	94,832	29,776	2,912.00	247.65
1960	1,351	1,763	99,948	35,600	4,121.00	338.55
1965	627	815	111,737	43,131	5,143.00	405.41
1970	435	619	106,368	47,353	7,067.00	651.22
1975	360	545	91,617	49,383	9,677.00	937.40
1976	351	552	90,892	49,713	10,689.00	1,096.53
1977	344	765	88,273	49,749	10,688.00	1,211.14
1978	341	773	86,217	47,963	12,098.00	1,376.34
1979	339	734	80,244	46,584	12,955.00	1,543.81
1980	327	576	78,588	44,204	13,839.00	1,741.01
1981	326	530	71,176	38,129	15,685.00	1,956.53

SOURCE: North Dakota Dept. of Public Instruction, North Dakota Educational Directory, 1980-1981; and Biennial Report, various years.

TABLE 15.08

TAXABLE VALUATION AND VALUATION OF SCHOOL PROPERTY IN NORTH DAKOTA SCHOOL DISTRICTS, SELECTED YEARS, 1946-1981

Year	Taxable Valuation	Valuation of School Property
1946	$692,334,181	$38,598,723
1950	548,769,939	56,527,000
1955	631,122,539	95,055,335
1960	674,888,882	136,079,817
1965	698,567,697	188,616,378
1970	721,755,008	261,506,456
1974	658,235,947	343,029,083
1975	671,209,499	352,615,402
1976	714,225,794	345,789,528
1977	735,673,642	408,606,210
1978	765,244,383	438,527,128
1979	803,767,456	492,078,730
1980	830,442,532	530,617,053
1981	869,408,483	524,174,060
1982	917,920,637	563,613,431
1983	937,692,969	611,295,626
1984	951,779,114	661,841,683
1985	998,380,663	688,725,998
1986	980,108,754	727,380,705
1987	976,761,047	743,564,434
1988	976,761,047	783,594,959

SOURCE: North Dakota Dept. of Public Instruction, *Biennial Report*, various years and Superintendent of Public Instruction, *45th Statistical Report*, 1977-1979.

TABLE 15.06

AVERAGE ANNUAL SALARY OF INSTRUCTIONAL STAFF,* PUBLIC ELEMENTARY AND SECONDARY DAY SCHOOLS, THE UNITED STATES, NORTH DAKOTA, AND SELECTED OTHER STATES, SELECTED YEARS, 1929-1930 TO 1983-1984

State	1929-1930	1949-1950	1959-1960	1969-1970	1978-1979	1979-1980	1983-1984
United States	$1,420	$3,010	$5,174	$8,840	$15,615	$773	$22,903
NORTH DAKOTA	900	2,324	3,695	6,900	12,344	839	19,830
South Dakota	956	2,064	3,725	6,700	12,100	13,010	17,125
Montana	1,215	2,962	4,425	8,100	14,024	15,080	21,387
Nebraska	1,077	2,229	3,876	7,855	13,113	14,236	20,013
Minnesota	1,251	3,013	5,275	9,957	16,181	16,773	25,080
Wyoming	1,239	2,798	4,937	8,532	14,939	13,839	25,439

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1985-1986.

* Includes supervisors, principals, classroom teachers, and other instructional staff.

TABLE 15.09

FALL SCHOOL ENROLLMENTS BY COUNTY: 1940, 1950, 1960*, and 1970

County	1940		1950		1960		1970 Public	
	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary
NORTH DAKOTA	103,734	33,653	80,617	27,260	103,380	37,086	103,234	47,260
Adams	928	321	813	299	802	379	613	372
Barnes	2,641	991	2,122	735	2,609	899	2,245	1,140
Benson	2,008	516	1,572	407	1,510	463	1,417	608
Billings	483	27	291	34	256	12	191	---
Bottineau	2,112	744	1,890	553	2,012	765	1,442	704
Bowman	638	226	632	235	808	358	779	439
Burke	1,338	432	1,126	348	1,066	465	857	391
Burleigh	3,018	973	3,004	825	4,857	1,581	6,329	2,524
Cass	6,555	2,884	6,835	2,155	10,671	3,306	11,108	4,869
Cavalier	2,477	573	2,001	468	1,528	563	1,566	775
Dickey	1,703	510	1,423	460	1,428	599	1,207	573
Divide	1,070	362	860	289	884	327	613	291
Dunn	1,507	310	1,198	240	1,028	366	744	358
Eddy	849	301	765	211	725	229	584	286
Emmons	2,807	509	1,648	428	1,316	366	1,409	573
Foster	1,103	414	902	292	1,035	415	1,033	457
Golden Valley	608	255	572	209	630	273	427	255
Grand Forks	4,500	1,952	4,377	1,442	7,625	2,054	10,256	3,629
Grant	1,791	384	1,526	325	1,138	344	772	332
Griggs	911	358	793	222	920	306	535	323
Hettinger	1,505	375	1,015	294	1,014	412	796	475
Kidder	1,397	342	1,155	296	992	381	757	400
LaMoure	1,924	674	1,609	572	1,762	687	1,383	739
Logan	1,725	244	1,214	192	764	313	791	371
McHenry	2,545	789	2,235	737	2,255	888	1,747	929
McIntosh	1,889	508	1,335	380	1,353	522	1,102	543
McKenzie	1,365	332	1,196	215	1,426	362	1,090	430
McLean	2,721	788	2,651	737	2,630	1,134	2,097	1,165

TABLE 15.09--Continued

County	1940		1950		1960		1970 Public	
	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary	Elementary	Secondary
Mercer	2,115	385	1,532	421	1,164	544	1,069	505
Morton	3,174	1,029	2,100	972	2,684	1,436	3,365	1,934
Mountrail	1,853	661	1,531	487	1,989	706	1,746	780
Nelson	1,439	663	1,223	525	1,353	576	1,144	586
Oliver	785	73	557	69	456	116	385	152
Pembina	2,731	926	2,355	756	2,487	924	1,968	974
Pierce	1,828	375	1,369	369	1,143	540	955	505
Ramsey	2,256	989	2,138	655	1,949	797	2,048	991
Ransom	1,549	694	1,237	524	1,404	557	1,193	630
Renville	808	279	963	264	944	385	744	385
Richland	3,038	1,189	2,224	926	2,579	1,087	2,835	1,412
Rolette	1,565	379	1,166	320	1,334	447	2,811	900
Sargent	1,444	519	1,337	435	1,224	491	941	444
Sheridan	1,293	243	944	209	655	286	445	184
Sioux	865	201	605	146	478	166	831	395
Slope	494	54	336	35	212	16	128	---
Stark	2,578	840	2,069	899	2,399	1,146	2,584	1,460
Steele	1,076	256	821	241	801	272	592	275
Stutsman	3,616	1,124	3,068	960	3,919	1,429	3,624	1,900
Towner	1,064	379	1,036	288	980	398	803	394
Traill	1,817	791	1,741	666	1,838	744	1,602	816
Walsh	3,182	794	2,669	630	2,989	797	2,503	1,244
Ward	4,413	1,833	4,707	1,468	7,829	2,396	9,994	3,697
Wells	2,021	685	1,457	512	1,355	649	1,506	750
Williams	2,612	1,198	2,645	883	4,171	1,412	3,528	1,916

SOURCE: North Dakota Department of Public Instruction, Biennial Report, various years.

* Data represent number of children of age, birth-20 years, per county.

TABLE 15.10

FALL ENROLLMENTS IN PUBLIC AND NON-PUBLIC SCHOOLS BY COUNTY, 1981 AND 1987

County	1981				1987			
	Public		Non-Public		Public		Non-Public	
	Elem.	Secondary	Elem.	Secondary	Elem.	Secondary	Elem.	Secondary
Adams	384	242	----	----	370	187	----	----
Barnes	1,494	793	113	5	1,285	674	95	12
Benson	833	597	134	----	682	429	----	----
Billings	121	----	----	----	109	----	----	----
Bottineau	1,341	587	----	----	1,035	538	----	----
Bowman	619	353	----	----	548	303	----	----
Burke	523	266	12	17	419	221	519	420
Burleigh	6,895	2,891	700	627	6,720	2,958	800	591
Cass	9,794	4,381	1,130	734	9,894	4,505	114	----
Cavalier	735	548	160	----	620	367	----	----
Dickey	905	453	13	----	705	389	----	----
Divide	343	184	----	----	297	132	----	----
Dunn	568	264	----	----	488	211	20	----
Eddy	326	225	82	----	358	179	34	----
Emmons	760	429	70	87	534	363	----	----
Foster	736	364	----	----	510	313	10	----
Golden Valley	321	197	----	----	312	184	----	----
Grand Forks	7,688	3,034	665	17	7,136	3,167	561	----
Grant	561	224	----	81	403	210	----	----
Griggs	423	199	----	----	380	175	----	----
Hettinger	404	341	227	168	330	250	154	80
Kidder	510	252	----	----	473	221	----	----
LaMoure	889	445	----	----	774	386	----	----
Logan	402	255	----	----	313	199	----	----
McHenry	1,091	607	----	----	896	453	----	----
McIntosh	513	364	----	----	427	243	----	----
McKenzie	1,150	408	2	----	939	376	27	8
McLean	1,874	884	153	43	1,636	771	41	----
Mercer	1,340	599	----	----	1,427	626	----	----
Morton	2,879	1,799	787	61	2,954	1,530	622	52

TABLE 15.10--Continued

County	1981				1987			
	Public		Non-Public		Public		Non-Public	
	Elem.	Secondary	Elem.	Secondary	Elem.	Secondary	Elem.	Secondary
Mountrail	1,243	546	----	----	1,000	500	----	----
Nelson	692	431	----	----	558	285	----	----
Oliver	343	137	----	----	324	130	----	----
Pembina	1,500	718	44	----	1,378	582	24	----
Pierce	704	455	111	----	569	326	92	----
Ramsey	1,542	951	444	29	1,496	786	138	----
Ransom	881	429	----	----	793	386	----	----
Renville	564	271	----	----	506	245	----	----
Richland	1,828	989	534	----	1,954	866	202	----
Rolette	941	548	1,360	525	1,790	833	334	4
Sargent	749	313	----	----	550	298	----	----
Sheridan	228	132	5	----	166	107	----	----
Sioux	302	160	402	215	387	159	71	----
Slope	61	----	----	----	54	----	----	----
Stark	2,706	1,477	953	336	2,502	1,195	759	233
Steele	327	164	----	----	241	114	----	----
Stutsman	2,695	1,376	331	23	2,460	1,144	277	35
Towner	492	252	----	----	434	210	----	----
Traill	1,257	580	----	----	1,092	525	----	----
Walsh	1,786	861	52	92	1,558	769	----	----
Ward	7,668	3,175	767	354	6,898	2,916	339	251
Wells	845	511	----	----	701	386	----	----
Williams	3,301	1,468	201	----	2,995	1,295	127	----
Total	79,077	38,129	9,460	3,414	73,556	34,625	5,368	1,694

SOURCE: North Dakota Dept. of Public Instruction, *Educational Directory.*

TABLE 15.11

NORTH DAKOTA SCHOOL CENSUSES, CHILDREN BY COUNTY: 1941, 1951, 1961, AND 1971

County	1941	1951	1961	1971
NORTH DAKOTA	189,938	155,571	272,765	218,117
Adams	1,459	1,361	1,931	1,307
Barnes	4,884	3,850	6,891	4,639
Benson	3,664	2,780	4,315	2,979
Billings	759	508	714	482
Bottineau	3,701	3,218	4,679	3,046
Bowman	1,036	920	1,862	1,598
Burke	2,243	1,736	2,454	1,588
Burleigh	6,163	6,013	15,261	14,939
Cass	17,119	12,046	26,840	23,628
Cavalier	4,155	3,290	4,201	3,180
Dickey	2,801	2,277	3,299	2,338
Divide	1,932	1,511	2,190	1,233
Dunn	2,640	2,007	2,977	1,531
Eddy	1,635	1,270	1,901	1,292
Emmons	4,350	2,959	4,295	3,041
Foster	1,788	1,370	2,449	1,994
Golden Valley	1,048	942	1,432	992
Grand Forks	9,381	8,637	20,383	20,406
Grant	2,803	2,192	2,602	1,562
Griggs	1,582	1,240	2,018	1,104
Hettinger	2,610	2,076	3,261	2,247
Kidder	2,065	1,705	2,313	1,516
LaMoure	3,114	2,406	4,016	2,749
Logan	2,554	1,933	2,364	1,492
McHenry	4,092	3,537	4,997	3,419
McIntosh	3,035	2,154	3,216	2,039
McKenzie	2,306	1,736	3,272	2,253
McLean	4,915	5,177	6,019	4,316
Mercer	3,274	2,422	2,805	2,102
Morton	6,740	5,393	9,957	7,847

TABLE 15.11--Continued

County	1941	1951	1961	1971
Mountrail	3,009	2,371	4,288	3,125
Nelson	2,626	2,044	3,129	2,293
Oliver	1,241	898	1,223	706
Pembina	4,419	3,557	5,669	4,214
Pierce	2,874	2,531	3,490	2,338
Ramsey	4,336	3,462	5,671	4,565
Ransom	2,835	2,083	3,143	2,288
Renville	1,398	1,470	2,149	1,537
Richland	5,713	4,662	7,548	5,366
Rolette	3,695	2,982	5,374	5,837
Sargent	2,388	2,068	2,704	1,916
Sheridan	1,979	1,486	1,511	877
Sioux	1,446	1,173	2,089	1,899
Slope	836	633	609	301
Stark	5,157	4,798	8,947	8,018
Steele	1,758	1,338	1,803	1,115
Stutsman	6,382	5,348	10,120	7,781
Towner	1,935	1,577	2,253	1,841
Traill	3,218	2,771	4,408	3,219
Walsh	6,018	5,036	7,216	5,244
Ward	9,005	8,023	20,692	20,828
Wells	3,478	2,698	3,812	2,926
Williams	4,344	3,896	10,003	7,418

SOURCE: North Dakota Dept. of Public Instruction, Biennial Report, various years.

TABLE 15.13

PERSISTENCE TO GRADUATION IN NORTH DAKOTA PUBLIC HIGH SCHOOLS, SELECTED YEARS, 1925-1987

Year Ending June 30	Fresh.	Soph.	Juniors	Seniors	Grads.	Percent*
1925	8,694	6,165	4,979	4,305	3,857	44.87%
1930	10,271	7,652	6,439	5,219	4,995	54.05
1935	10,261	8,125	7,498	6,797	6,450	63.40
1940	9,982	8,806	7,815	7,292	6,880	65.34
1945	8,440	7,179	6,108	5,427	5,182	54.52
1950	8,138	6,859	6,164	5,691	5,502	68.78
1955	8,780	7,806	6,986	6,204	6,001	74.39
1960	9,916	9,217	8,851	7,616	7,328	78.59
1965	11,578	11,103	10,437	9,945	9,467	80.84
1970	12,218	11,808	11,772	11,419	10,850	85.81
1975	12,494	12,103	11,912	11,075	10,690	83.65
1976	12,128	12,187	11,548	11,243	10,792	83.54
1977	11,687	11,722	11,590	10,917	10,839	83.80
1978	10,892	11,465	11,194	10,926	10,554	79.91
1979	10,154	10,685	10,792	10,516	10,385	83.12
1980	9,551	10,002	10,188	10,359	9,969	82.20
1981	9,100	9,523	9,609	9,806	9,922	84.90
1982	8,590	8,948	9,149	9,220	9,537	87.56
1983	8,844	8,509	8,662	8,877	8,892	87.57
1984	9,545	8,742	8,234	8,555	8,569	89.72
1985	9,192	9,267	8,425	7,984	8,156	89.63
1986	8,733	8,879	8,957	8,204	7,610	88.59
1987	8,735	8,559	8,627	8,704	7,821	88.43

SOURCE: North Dakota Dept. of Public Instruction, *Forty-Fourth Statistical Report*.

* Percent graduates are of number enrolled as freshmen four years prior.

TABLE 15.12

NORTH DAKOTA SCHOOL CENSUSES: CHILDREN BY AGE AND COUNTY, 1981 AND 1987

	Number of Children as of August 31, 1981								
	Age Birth - 5						Age 6 - 17 Inc.		Total of All 0 - 17 Inc.
County	Under 1	1	2	3	4	5	Boys	Girls	
Adams	42	52	58	42	50	49	323	329	945
Barnes	132	168	183	194	177	172	1,176	1,174	3,376
Benson	63	102	101	91	109	107	764	720	2,057
Billings	29	26	22	21	29	24	125	143	419
Bottineau	116	142	143	132	124	128	853	884	2,522
Bowman	69	65	75	77	79	81	479	453	1,378
Burke	41	45	46	52	47	44	378	380	1,033
Burleigh	649	884	909	911	838	853	5,271	5,044	15,359
Cass	1,057	1,126	1,167	1,202	1,216	1,223	7,857	7,430	22,278
Cavalier	71	92	94	87	112	107	721	657	1,941
Dickey	97	101	109	120	129	112	712	633	2,013
Divide	44	42	63	41	40	41	271	245	787
Dunn	46	76	52	61	64	67	378	378	1,122
Eddy	25	47	44	55	50	40	278	276	815
Emmons	50	60	58	71	73	67	697	683	1,759
Foster	35	68	39	71	65	76	539	473	1,366
Golden Valley	43	49	42	40	48	43	255	222	742
Grand Forks	731	1,099	1,053	972	937	1,001	5,836	5,465	17,094
Grant	48	65	39	64	48	71	437	370	1,142
Griggs	40	45	50	42	51	46	290	283	847
Hettinger	45	65	47	72	69	57	473	518	1,346
Kidder	54	66	61	53	65	57	385	345	1,086
LaMoure	82	104	106	89	92	98	681	672	1,924
Logan	26	37	33	37	39	39	359	282	852
McHenry	69	112	107	106	125	110	855	760	2,250
McIntosh	44	54	60	70	39	56	442	390	1,155
McKenzie	104	147	148	128	129	133	782	738	2,309
McLean	173	239	222	233	242	207	1,431	1,318	4,065
Mercer	119	173	165	160	166	137	920	928	2,768
Morton	333	482	438	474	474	438	2,898	2,574	8,111

TABLE 15.12--Continued

County	Number of Children as of August 31, 1981								
	Age Birth - 5						Age 6 - 17 Inc.		Total of All 0 - 17 Inc.
	Under 1	1	2	3	4	5	Boys	Girls	
Mountrail	112	118	110	142	125	140	861	832	2,440
Nelson	62	54	81	89	85	79	554	532	1,536
Oliver	34	47	41	39	34	34	255	186	670
Pembina	128	148	182	189	156	167	1,053	1,089	3,112
Pierce	74	89	95	90	88	85	703	584	1,808
Ramsey	138	175	200	196	186	195	1,338	1,403	3,831
Ransom	73	101	107	110	98	98	627	599	1,813
Renville	36	58	54	41	57	52	425	372	1,095
Richland	185	284	299	290	272	259	1,397	1,369	4,355
Rolette	250	272	282	267	295	265	1,675	1,652	4,958
Sargent	42	78	74	89	68	72	519	500	1,442
Sheridan	24	25	23	28	25	21	177	167	490
Sioux	76	68	91	73	74	98	545	508	1,533
Slope	4	11	13	9	7	7	70	46	167
Stark	378	487	480	484	455	416	2,552	2,476	7,728
Steele	23	44	40	40	43	42	237	224	693
Stutsman	270	348	365	377	343	315	2,113	2,019	6,150
Towner	48	43	49	57	50	49	348	345	989
Traill	111	133	169	144	161	154	950	857	2,679
Walsh	139	169	214	203	207	201	1,357	1,267	3,757
Ward	807	1,091	1,139	993	1,024	971	5,821	5,473	17,319
Wells	68	80	99	98	92	72	672	638	1,819
Williams	419	488	489	456	432	400	2,333	2,276	7,293
State Totals	7,970	10,250	10,430	10,272	10,103	9,076	63,448	60,181	182,538

TABLE 15.12--Continued

County	Number of Children as of August 31, 1987								
	Age Birth - 5						Age 6 - 17 Inc.		Total of All 0 - 17 Inc.
	Under 1	1	2	3	4	5	Boys	Girls	
Adams	37	54	38	59	47	54	329	295	913
Barnes	117	139	158	156	174	168	1,117	1,002	3,031
Benson	40	105	137	109	111	105	724	675	2,006
Billings	16	16	22	19	24	29	134	133	393
Bottineau	76	106	119	130	134	134	846	830	2,375
Bowman	39	52	56	66	71	59	466	381	1,190
Burke	23	47	48	52	52	55	329	303	909
Burleigh	504	779	905	892	1,017	977	5,557	5,278	15,909
Cass	1,429	1,596	1,501	1,443	1,469	1,424	8,192	7,870	24,924
Cavalier	53	76	89	59	89	83	573	518	1,540
Dickey	61	76	83	95	113	78	632	585	1,723
Divide	29	36	31	33	33	41	262	228	693
Dunn	39	50	57	47	57	63	368	346	1,027
Eddy	29	35	33	41	44	49	267	266	764
Emmons	41	66	59	69	75	62	501	463	1,336
Foster	45	51	82	73	66	89	428	418	1,252
Golden Valley	30	31	32	32	50	36	258	222	691
Grand Forks	722	1,020	1,114	1,013	1,053	1,121	5,887	5,532	17,462
Grant	25	39	52	45	47	47	347	316	918
Griggs	27	34	39	39	53	47	308	270	817
Hettinger	46	59	57	60	72	77	375	432	1,178
Kidder	39	29	39	52	55	51	373	325	963
LaMoure	39	94	73	91	100	109	613	546	1,665
Logan	21	24	34	39	33	42	267	250	710
McHenry	51	84	108	102	109	101	730	640	1,925
McIntosh	35	44	54	52	61	75	337	334	992
McKenzie	82	102	134	113	145	125	763	702	2,166
McLean	125	137	170	171	196	211	1,320	1,287	3,617
Mercer	112	176	182	198	193	218	1,118	1,040	3,237
Morton	232	314	387	420	442	477	2,649	2,447	7,368

TABLE 15.12--Continued

Number of Children as of August 31, 1987

County	Age Birth - 5						Age 6 - 17 Inc.		Total of All 0 - 17 Inc.
	Under 1	1	2	3	4	5	Boys	Girls	
Mountrail	83	147	116	149	141	171	890	795	2,492
Nelson	41	70	50	73	87	76	425	425	1,247
Oliver	12	28	41	30	32	42	250	217	652
Pembina	134	140	166	155	171	166	1,018	989	2,939
Pierce	38	74	71	74	78	100	531	494	1,460
Ramsey	113	154	181	189	217	227	1,285	1,254	3,620
Ransom	55	61	90	82	82	114	648	560	1,692
Renville	32	53	42	73	63	57	412	348	1,080
Richland	158	240	298	268	282	321	1,555	1,458	4,580
Rolette	159	208	273	290	279	342	1,777	1,681	5,009
Sargent	44	58	61	59	57	82	443	408	1,212
Sheridan	21	26	20	28	24	17	147	130	413
Sioux	64	73	103	106	109	105	551	513	1,624
Slope	12	10	8	12	8	8	57	55	170
Stark	227	404	427	428	441	501	2,460	2,400	7,288
Steele	15	28	35	27	34	31	176	202	548
Stutsman	208	266	299	310	304	327	2,018	1,837	5,569
Towner	40	57	48	64	58	53	322	328	970
Traill	74	118	151	134	140	158	863	900	2,538
Walsh	140	186	207	215	245	250	1,375	1,267	3,885
Ward	744	1,081	1,050	1,015	1,055	1,037	5,560	5,422	16,964
Wells	65	77	92	91	101	92	556	542	1,616
Williams	247	379	432	443	488	465	2,361	2,322	7,137
State Totals	6,890	9,409	10,154	10,085	10,681	10,949	61,750	58,481	178,399

SOURCE: North Dakota Dept. of Public Instruction, Educational Directory, 1981-1982 and 1987-1988.

TABLE 15.14

CURRENT EXPENDITURES PER PUPIL IN AVERAGE DAILY MEMBERSHIP IN RURAL, ELEMENTARY, AND HIGH SCHOOL DISTRICTS BY EXPENDITURE CATEGORY, 1986-1987

Enrollment in High School	Number of Districts	Expenditure Category				
		Instructional	Administrative	Plant Operation	Transfers	Capital Projects
550 and up	10	$2,181	$158	$12	$68	$24
500-549	0	----	----	----	----	----
400-499	2	2,099	169	10	185	1
300-399	2	3,030	477	5	220	49
200-299	12	2,084	172	10	236	35
150-199	16	2,132	239	11	250	21
100-149	34	2,080	270	11	263	24
75-99	31	2,259	317	12	310	20
50-74	40	2,286	387	12	362	66
25-49	59	2,470	541	11	384	14
24 of less	19	2,723	646	13	436	2
H.S. Total	225	2,209	240	12	184	26
Elem. Total	48	2,224	364	10	503	279
Rural Total	12	2,717	322	10	760	30
Grand Total	309	2,210	243	12	195	33

Enrollment in High School	Expenditure Category				
	Debt Service	Transfers	Extra Curricular	Other	Tuition
550 and up	$2	$12	$60	$44	$29
500-549	----	----	----	----	----
400-499	----	----	68	12	134
300-399	----	31	116	164	112
200-299	23	216	62	24	99
150-199	2	4	80	47	108
100-149	1	20	66	28	93
75-99	8	46	62	43	130
50-74	4	14	50	47	223
25-49	2	6	62	73	193
24 of less	----	151	36	94	161
H.S. Total	4	33	67	45	84
Elem. Total	0	106	23	69	930
Rural Total	----	80	2	19	1,717
Grand Total	4	35	65	45	114

SOURCE: North Dakota Dept. of Public Instruction, School Finance Facts, 1987.

TABLE 15.15

PERCENTAGE DISTRIBUTION OF CURRENT EXPENDITURES PER PUPIL IN AVERAGE DAILY MEMBERSHIP IN RURAL, ELEMENTARY, AND HIGH SCHOOL DISTRICTS BY EXPENDITURE CATEGORY, 1986-1987

Enrollment in High School	Number of Districts	Expenditure Category				
		Instructional	Administrative	Operations and Maintenance	Student Transportation	Capital Projects
550 and up	10	73.83%	5.36%	12.44%	2.32%	0.82%
500-549	0	----	----	----	----	----
400-499	2	71.10	5.72	9.58	6.27	0.04
300-399	2	68.37	10.76	5.23	4.97	1.12
200-299	12	63.43	5.22	10.21	7.19	1.07
150-199	16	65.44	7.33	11.47	7.67	0.65
100-149	34	64.93	8.43	11.17	8.20	0.73
75-99	31	62.21	8.74	12.02	8.53	0.55
50-74	40	58.63	9.92	11.79	9.29	1.68
25-49	59	58.37	12.78	11.49	9.08	0.33
24 of less	19	55.67	13.21	13.16	8.91	0.05
H.S. Total	225	67.51	7.73	11.64	5.62	0.80
Elem. Total	48	44.32	7.26	10.23	10.02	5.55
Rural Total	12	43.25	5.13	9.98	12.23	0.47
Grand Total	309	66.36	7.31	11.55	5.85	0.99

Enrollment in High School	Expenditure Category					
	Debt Service	Transfers	Extra Curricular	Other	Tuition	Cost Per Pupil
550 and up	0.07%	0.42%	2.29%	1.49%	0.97%	$2,954
500-549	----	----	----	----	----	----
400-499	----	----	2.31	0.42	4.55	2,952
300-399	----	0.70	2.63	3.70	2.53	4,432
200-299	0.70	6.57	1.08	0.72	3.01	3,287
150-199	0.08	0.13	2.47	1.45	3.31	3,250
100-149	0.05	0.64	2.05	0.89	2.91	3,204
75-99	0.21	1.25	1.71	1.18	3.59	3,630
50-74	0.11	0.36	1.20	1.22	5.71	3,898
25-49	0.05	0.13	1.46	1.74	4.56	4,231
24 of less	0.00	3.00	0.73	1.91	3.28	4,892
H.S. Total	0.13	1.01	2.04	1.37	2.56	3,272
Elem. Total	0.16	2.11	0.45	1.37	18.53	5,019
Rural Total	0.00	1.27	0.03	0.30	27.34	6,202
Grand Total	0.13	1.06	1.97	1.36	3.41	3,330

SOURCE: North Dakota Dept. of Public Instruction, School Finance Facts, 1987.

TABLE 15.16

TAXABLE VALUATION AND AVERAGE MILLS LEVIED BY SCHOOL DISTRICTS BY COUNTY, 1986-1987

County	Taxable Valuation	Average Mill Levy
Adams	$6,430,967	134.11
Barnes	21,414,520	123.36
Benson	11,132,687	122.96
Billings	6,067,012	NA
Bottineau	15,523,800	126.29
Bowman	7,423,106	118.41
Burke	6,224,454	129.09
Burleigh	72,167,232	198.32
Cass	135,873,547	168.01
Cavalier	16,515,862	107.58
Dickey	10,872,522	109.63
Divide	5,789,004	132.57
Dunn	9,054,218	89.46
Eddy	6,337,740	114.66
Emmons	11,990,157	111.88
Foster	10,179,389	114.08
Golden Valley	4,397,560	101.00
Grand Forks	68,112,232	176.38
Grant	6,616,392	117.06
Griggs	6,290,137	141.03
Hettinger	9,285,463	120.57
Kidder	6,730,960	113.48
LaMoure	14,312,012	105.04
Logan	5,612,418	122.47
McHenry	13,591,143	124.06
McIntosh	10,636,175	106.45
McKenzie	15,971,745	80.15
McLean	19,575,665	114.66
Mercer	12,525,386	145.13
Morton	39,154,150	132.39

TABLE 15.16--Continued

County	Taxable Valuation	Average Mill Levy
Mountrail	$9,895,174	145.77
Nelson	13,333,784	126.67
Oliver	3,137,326	91.58
Pembina	24,571,420	126.86
Pierce	9,877,907	135.79
Ramsey	20,577,366	140.86
Ransom	11,418,844	116.26
Renville	7,618,614	108.64
Richland	28,512,243	147.74
Rolette	8,316,374	145.63
Sargent	8,414,811	120.35
Sheridan	3,733,057	125.41
Sioux	2,365,433	107.81
Slope	1,769,469	42.25
Stark	28,254,415	166.86
Steele	7,537,574	139.98
Stutsman	37,550,242	120.10
Towner	8,910,716	129.66
Traill	22,078,189	132.08
Walsh	22,414,861	155.20
Ward	62,436,088	150.59
Wells	13,091,923	113.61
Williams	35,137,474	128.63
STATE TOTALS	976,761,047	141.65

SOURCE: North Dakota Dept. of Public Instruction, School Finance Facts, 1987.

Note: To calculate total taxes levied, multiply taxable valuation of the county by the number of mills levied.

TABLE 15.17

AVERAGE MILL LEVIES BY SCHOOL DISTRICTS BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1970-1971, AND 1980-1987

County	1970-1971	1980-1981	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987
Adams	66.93	80.37	96.86	105.98	119.13	109.62	127.57	134.11
Barnes	81.36	108.82	106.60	110.49	114.10	115.02	122.42	123.36
Benson	73.04	99.64	96.64	102.85	115.48	110.95	118.26	122.96
Billings	50.00	------	------	------	------	------	------	------
Bottineau	70.22	110.98	103.48	114.38	126.86	121.02	124.56	126.29
Bowman	61.27	93.61	91.91	80.99	94.98	96.55	104.96	118.41
Burke	76.96	89.59	91.76	100.44	107.59	107.03	125.20	129.09
Burleigh	96.30	147.50	144.43	155.68	164.25	171.78	179.33	198.32
Cass	110.81	143.87	136.59	140.21	143.62	151.45	160.24	168.01
Cavalier	65.50	74.96	75.14	87.15	97.43	95.26	102.40	107.58
Dickey	67.47	82.90	80.28	90.51	99.40	100.01	109.19	109.63
Divide	92.27	115.22	94.76	92.56	101.99	102.35	127.48	132.57
Dunn	60.34	76.77	71.26	88.92	75.12	81.40	82.71	89.46
Eddy	75.00	114.04	124.63	116.64	123.59	116.81	110.58	114.66
Emmons	70.02	77.86	89.84	96.94	80.52	87.18	100.73	111.88
Foster	66.14	80.53	92.76	97.10	99.38	103.83	115.87	114.08
Golden Valley	59.98	76.13	82.96	100.39	114.21	108.04	114.96	101.00
Grand Forks	105.79	135.93	122.72	131.63	140.97	153.94	166.89	176.38
Grant	79.95	101.07	93.55	100.03	107.47	106.08	112.29	117.06
Griggs	72.54	120.46	106.47	98.54	100.58	112.90	133.13	141.83
Hettinger	60.05	87.11	94.70	102.95	114.68	110.48	122.93	120.57
Kidder	72.65	90.19	91.06	93.43	106.24	102.37	111.33	113.48
LaMoure	79.58	74.67	82.00	85.84	91.22	91.99	104.49	105.04
Logan	76.96	88.96	101.60	101.83	117.96	114.48	120.34	122.47
McHenry	83.75	93.56	98.94	106.11	115.44	106.89	118.80	124.06
McIntosh	75.51	85.71	90.56	83.05	94.07	96.38	101.29	106.45
McKenzie	59.92	79.81	63.82	62.70	64.17	67.01	67.88	80.15
McLean	72.12	92.50	100.41	103.49	106.50	104.46	111.05	114.66
Mercer	59.16	105.64	119.63	121.26	127.06	124.90	139.86	145.13
Morton	61.75	92.43	107.16	112.52	111.68	119.30	125.06	132.39

TABLE 15.17--Continued

County	1970-1971	1980-1981	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987
Mountrail	78.29	106.33	101.52	101.68	118.79	128.13	142.12	145.77
Nelson	69.36	106.47	111.06	118.67	127.48	120.81	131.07	126.67
Oliver	90.28	78.15	81.73	77.70	74.91	86.09	87.67	91.58
Pembina	65.13	91.19	86.46	95.00	101.77	104.76	114.34	126.80
Pierce	73.62	96.49	97.96	113.61	115.82	109.89	131.79	135.79
Ramsey	77.61	121.64	129.74	142.70	145.68	141.45	138.42	140.86
Ransom	45.77	109.31	105.12	110.29	108.80	112.81	113.19	116.26
Renville	78.06	84.90	99.65	101.85	106.20	101.64	110.16	108.64
Richland	64.25	102.13	102.97	109.80	114.09	121.77	131.41	147.74
Rolette	86.00	105.45	113.00	134.61	134.49	131.50	143.21	145.63
Sargent	72.96	89.63	85.42	103.19	97.51	100.51	114.80	120.35
Sheridan	72.96	96.00	95.78	98.90	115.92	116.78	126.79	125.41
Sioux	57.95	87.90	101.09	101.70	89.49	93.17	101.71	107.81
Slope	50.21	70.47	44.80	24.93	40.46	48.28	44.82	42.25
Stark	86.97	111.80	126.75	131.23	147.41	143.04	147.43	166.86
Steele	63.17	93.96	111.63	120.23	121.65	123.00	141.65	139.98
Stutsman	83.33	95.02	77.99	82.18	97.83	112.41	118.72	120.10
Towner	72.99	105.06	99.95	111.52	111.88	119.65	133.23	129.66
Traill	69.32	108.77	102.55	111.85	115.40	116.57	128.51	132.08
Walsh	85.76	132.97	119.42	128.36	143.80	142.59	148.63	155.28
Ward	100.00	99.44	114.82	121.49	130.68	134.69	142.11	150.59
Wells	65.03	92.47	100.69	109.03	112.49	106.78	112.54	113.61
Williams	79.55	102.40	99.84	99.31	115.09	120.10	125.05	128.63
N.D. State Average	73.43	96.39	97.40	102.54	108.74	109.92	118.70	123.01

SOURCE: North Dakota Dept. of Public Instruction, School Finance Facts, various years.

Note: To calculate total taxes levied, multiply taxable valuation of the county by the number of mills levied.

TABLE 15.18

TAXABLE VALUATION* BY NORTH DAKOTA COUNTY, SELECTED YEARS, 1982-1987

County	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987
Adams	$6,676,648	$5,953,507	$6,404,867	$6,386,428	$6,430,967
Barnes	21,603,516	21,229,029	22,302,688	21,395,306	21,414,520
Benson	11,523,070	11,231,412	11,017,502	11,078,356	11,132,687
Billings	4,809,338	5,572,619	6,478,062	6,293,387	6,067,012
Bottineau	15,936,461	15,491,459	16,238,148	15,757,939	15,523,800
Bowman	8,055,360	6,878,608	7,159,871	7,129,381	7,423,186
Burke	6,012,240	6,350,426	6,779,419	6,548,918	6,224,454
Burleigh	63,891,643	68,269,043	71,541,440	73,700,722	12,167,232
Cass	115,333,846	123,346,675	127,778,282	130,071,612	135,873,547
Cavalier	15,523,600	16,357,481	13,443,428	16,408,459	16,515,862
Dickey	11,928,912	11,189,097	11,670,071	10,799,309	10,872,522
Divide	6,564,387	6,421,001	6,723,038	5,770,943	5,789,004
Dunn	6,466,973	10,632,861	10,047,650	9,305,402	9,054,218
Eddy	5,739,915	5,919,554	6,368,206	6,332,243	6,337,740
Emmons	9,521,617	12,482,655	13,160,840	12,300,893	11,990,157
Foster	9,722,006	9,730,920	10,226,475	10,159,315	10,179,389
Golden Valley	5,209,735	4,680,400	5,012,916	4,644,308	4,397,568
Grand Forks	62,594,208	60,947,121	63,311,311	64,677,849	68,112,232
Grant	7,229,810	6,576,119	6,996,149	6,720,003	6,616,392
Griggs	5,990,047	5,936,490	6,510,456	6,255,413	6,290,137
Hettinger	9,467,170	8,614,940	9,090,319	8,754,487	9,285,463
Kidder	7,355,483	6,591,718	7,154,159	6,767,419	6,730,960
LaMoure	14,809,123	14,760,416	15,681,121	14,295,118	14,312,012
Logan	5,841,041	5,368,035	5,985,079	5,617,476	5,612,410
McHenry	13,500,931	13,154,653	14,168,481	13,556,390	13,591,143
McIntosh	8,786,139	10,286,560	11,229,061	10,787,061	10,636,175
McKenzie	11,510,295	17,327,949	17,591,031	17,664,420	15,971,745
McLean	18,941,773	18,294,549	19,705,989	19,398,269	19,575,665
Mercer	9,578,325	11,555,545	13,042,146	13,499,656	12,525,386
Morton	33,570,377	40,957,109	41,321,390	40,046,619	39,154,150

TABLE 15.18--Continued

County	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987
Mountrail	$10,777,803	$10,014,210	$10,635,002	$10,140,222	$9,895,174
Nelson	12,672,444	12,223,730	13,566,797	13,027,216	13,333,784
Oliver	3,291,749	3,466,708	3,182,845	3,144,624	3,137,326
Pembina	25,576,934	24,694,052	26,065,207	24,990,298	24,571,420
Pierce	9,727,305	9,442,917	10,034,830	9,720,300	9,877,907
Ramsey	19,239,946	19,814,663	21,084,278	20,399,617	20,577,366
Ransom	10,998,454	11,720,106	11,911,791	11,362,182	11,418,844
Renville	7,293,921	7,101,096	7,669,672	7,665,661	7,618,614
Richland	27,494,790	28,908,001	29,064,036	28,388,134	28,512,243
Rolette	8,265,474	8,417,188	8,705,450	8,294,743	8,316,374
Sargent	8,679,275	9,057,714	9,067,251	8,370,931	8,414,811
Sheridan	3,829,745	3,559,378	3,826,566	3,712,560	3,733,057
Sioux	2,643,317	2,867,141	2,874,167	2,579,425	2,365,433
Slope	1,971,847	1,793,018	1,866,622	1,777,739	1,769,469
Stark	29,497,154	29,894,178	32,786,016	32,347,782	28,254,415
Steele	7,568,261	7,252,351	7,743,049	7,359,986	7,537,574
Stutsman	37,235,039	36,395,667	38,447,691	37,869,787	37,550,242
Towner	8,927,733	8,816,987	9,313,365	8,642,382	8,910,716
Traill	22,062,155	21,942,712	23,120,419	21,858,628	22,078,189
Walsh	23,576,111	21,818,567	22,928,295	22,315,709	22,414,861
Ward	56,394,605	59,202,187	61,984,597	62,817,104	62,436,088
Wells	12,796,349	12,511,962	13,439,876	13,033,676	13,091,923
Williams	32,757,721	38,755,830	40,027,176	38,078,949	35,137,474
N.D. State Total	917,860,209	951,779,114	994,380,593	980,108,756	986,761,047

SOURCE: North Dakota Dept. of Public Instruction, *School Finance Facts*, various years.

* 50 percent Assessed Valuation.

Note: To calculate total taxes levied, multiply valuation of the county by the number of mills levied.

TABLE 15.19

AVERAGE SALARIES OF NORTH DAKOTA EDUCATIONAL PERSONNEL BY POSITION AND PLANNING REGION, 1986-1987

Position	Region I		Region II		Region III		Region IV		Region V	
	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary	No.	Average Salary
Elementary Principal	13	$35,540	32	$35,689	18	$28,732	35	$36,739	46	$33,098
Secondary Principal	11	33,546	35	31,517	21	26,311	25	32,940	31	31,318
Superintendant	10	37,944	37	36,449	28	34,357	31	37,349	36	38,999
Counselor	7	25,312	24	26,862	11	22,828	24	27,302	28	25,682
Librarian	8	23,371	17	23,550	12	20,297	19	23,665	28	23,235
Elementary Teacher	290	20,941	742	20,925	454	19,747	663	22,321	908	22,089
Secondary Teacher:										
Agriculture	6	27,395	15	25,573	8	19,677	7	21,066	8	24,257
Art	5	23,542	8	19,698	2	18,625	7	23,231	8	25,988
Business	14	21,072	37	20,466	20	20,014	28	21,589	36	22,777
Distributive Ed.	---	------	2	23,388	1	------	3	30,236	5	26,308
English	23	22,196	67	20,709	41	20,135	61	21,740	85	22,360
Foreign Languages	1	29,615	6	25,707	4	20,928	7	21,614	13	21,304
Health Occupation	---	------	1	23,618	2	19,900	1	------	---	------
Phy. Ed. & Health	7	18,998	30	21,135	12	18,977	26	22,952	33	22,106
Home Economics	7	22,273	30	19,930	17	19,960	11	19,457	23	21,165
Industrial Arts	6	21,176	19	20,390	8	21,137	14	23,770	18	22,236
Mathematics	19	21,730	52	20,918	30	19,962	39	22,926	64	22,004
Music	7	22,533	22	20,095	13	19,093	15	23,473	30	20,496
Science	17	23,438	54	20,782	32	19,638	39	23,287	63	23,688
Office Ed.	2	24,475	8	24,480	3	17,415	8	25,500	7	24,992
Social Studies	15	22,811	50	21,485	35	19,168	41	23,408	64	22,180
Trade & Industry	3	24,917	7	24,744	5	23,663	3	------	10	25,620
Special Ed.	9	20,513	33	21,221	24	19,116	37	20,796	37	22,800
Driver Ed.	---	------	5	25,021	---	------	1	21,240	2	23,953
Career Ed.	---	------	1	28,585	1	23,150	---	------	---	------
Computer Ed.	---	------	---	------	---	------	---	------	---	------
Totals	480	22,501	1,322	22,259	802	20,725	1,142	23,599	1,583	23,254

TABLE 15.20

AVERAGE SALARY OF NORTH DAKOTA ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL BY EDUCATION LEVEL, MAJOR ASSIGNMENT AND TYPE OF SCHOOL DISTRICT, SELECTED YEARS, 1982-1987

	Academic Year				
Degree	1982-83	1983-84	1984-85	1985-86	1986-87
Doctorate	$30,268	$36,279	$37,249	$39,020	$40,164
Masters	25,447	25,767	26,960	27,975	28,491
Bachelors	18,158	18,664	19,448	20,145	20,568
Less Than Bachelors	15,112	15,808	16,699	17,466	19,166
Major Assignment					
Superintendent	$28,087	$30,666	$32,385	$34,150	$35,154
Librarian	NA	20,005	21,240	NA	22,491
Guidance	23,336	23,724	24,820	25,379	25,776
Sec. Principal	25,367	26,644	28,136	28,872	28,995
Elem. Principal	29,432	29,882	30,893	32,375	33,769
Sec. Teacher	19,186	19,687	20,570	21,130	21,434
Elem. Teacher	18,500	18,993	19,792	20,624	21,192
Type of School District					
High School	$19,801	$20,422	$21,307	$22,094	$22,622
Graded Elementary	15,099	15,956	16,681	17,578	17,886
One-Room Rural	11,269	11,824	12,531	12,632	13,773

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, academic years, 1982-1987.

TABLE 15.19--Continued

	Region VI		Region VII		Region VIII		No.	No.	Statewide
	No.	Average	No.	Average	No.	Average	Males	Females	Salary
Elementary Principal	19	$30,926	46	$32,921	16	$31,821	172	53	$33,753
Secondary Principal	25	28,337	39	29,516	15	30,221	196	6	30,392
Superintendant	41	33,468	50	34,974	22	37,139	249	6	36,038
Counselor	12	24,525	27	25,398	12	24,798	93	52	25,776
Librarian	16	22,227	26	21,241	9	21,511	18	120	22,491
Elementary Teacher	500	20,434	962	20,937	377	20,993	925	3,971	21,201
Secondary Teacher:									
Agriculture	14	23,033	16	22,487	9	22,375	83	------	23,327
Art	4	21,968	8	22,178	1	26,066	24	19	22,685
Business	36	19,880	54	20,713	17	21,460	150	92	20,972
Distributive Ed.	2	------	4	21,034	---	------	13	4	24,718
English	52	19,553	96	20,676	33	21,806	146	309	21,110
Foreign Languages	3	22,987	11	24,624	3	22,076	9	39	22,975
Health Occupation	---	------	---	------	---	------	---	4	21,795
Phy. Ed. & Health	17	20,891	39	21,634	15	20,573	131	48	21,375
Home Economics	19	19,932	34	19,712	14	18,571	1	143	20,007
Industrial Arts	13	22,244	27	20,647	7	19,795	111	---	21,497
Mathematics	44	20,098	74	20,553	29	20,533	244	107	21,097
Music	14	19,374	28	20,253	9	19,205	103	35	20,476
Science	44	20,324	76	21,693	18	22,254	272	71	21,832
Office Ed.	5	22,183	9	23,585	3	19,545	20	25	23,636
Social Studies	45	20,033	72	21,650	23	21,859	300	45	21,527
Trade & Industry	8	------	12	27,591	4	26,896	51	1	25,576
Special Ed.	33	19,294	40	19,506	8	20,792	25	196	20,613
Driver Ed.	2	29,467	4	25,129	4	21,016	18	---	25,057
Career Ed.	---	------	---	------	---	------	2	---	24,086
Computer Ed.	---	------	---	------	1	18,840	1	---	18,840
Totals	968	21,464	1,754	21,955	652	22,165	3,357	5,346	22,352

TABLE 15.19--Continued

SOURCE: N.D. Dept. of Public Inst., Administrative and Instructional Personnel in North Dakota, 1986-1987.

Refer to page 2 for map of North Dakota Planning and Development Regions.

Region I includes Divide, Williams and McKenzie Counties.

Region II includes Burke, Bottineau, McHenry, Mountrail, Pierce, Renville and Ward Counties.

Region III includes Benson, Cavalier, Eddy, Rolette and Towner Counties.

Region IV includes Grand Forks, Nelson, Pembina and Walsh Counties.

Region V includes Cass, Ransom, Richland, Steele and Traill Counties.

Region VI includes Barnes, Dickey, Foster, Griggs, LaMoure, Logan, McIntosh, Stutsman and Wells Counties.

Region VII includes Burleigh, Emmons, Grant, Kidder, McLean, Mercer, Morton, Oliver, Sheridan and Sioux Counties.

Region VIII includes Adams, Billings, Bowman, Dunn, Golden Valley, Hettinger, Slope and Stark Counties.

TABLE 15.21

EDUCATIONAL PROFILE OF ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, SELECTED YEARS, 1982-1987

Academic	Degree Held Doctorate		Masters +30 hrs.		Masters		Bachelors +30 hrs.		Bachelors		Less Than Bachelors		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Administrative Personnel													
1982-1983	20.0	8.0%	127.0	49.0%	71.0	28.0%	13.0	5.0%	26.0	10.0%	0.0	0.0%	257.0
1983-1984	22.0	9.0	130.0	53.0	68.0	28.0	11.0	4.0	15.0	6.0	0.0	0.0	246.0
1984-1985	22.0	9.0	129.0	53.0	61.0	25.0	17.0	7.0	15.0	6.0	0.0	0.0	244.0
1985-1986	22.0	9.0	136.0	57.0	60.0	25.0	14.0	6.0	7.0	3.0	0.0	0.0	239.0
1986-1987	23.0	10.0	60.0	24.0	133.0	56.0	7.0	3.0	16.0	7.0	0.0	0.0	239.0
Instructional Personnel													
1982-1983	8.0	*%	561.0	9.0%	360.0	5.5%	2,698.0	40.5%	3,012.0	44.0%	101.0	1.0%	6,740.0
1983-1984	8.0	*	609.0	9.0	384.0	5.5	2,878.0	42.0	2,955.0	42.5	76.0	1.0	6,910.0
1984-1985	11.0	*	689.0	10.0	424.0	6.0	3,161.0	42.5	3,065.0	41.0	73.0	0.5	7,423.0
1985-1986	12.0	*	725.0	10.5	397.0	5.0	3,327.0	45.0	2,926.0	38.5	75.0	1.0	7,462.0
1986-1987	13.0	*	397.0	6.0	738.0	10.0	1,368.0	18.0	4,704.0	65.0	49.0	1.0	7,269.0

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, various years.

* Less than 1%.

TABLE 15.22

INSTITUTION GRANTING HIGHEST DEGREE EARNED TO INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, SELECTED YEARS, 1982-1987

Academic Year	University of North Dakota		North Dakota State University		Minot State College		Dickinson State College		Valley City State College		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	
Instructional Personnel											
1982-1983	1,018	15%	514	8%	1,034	15%	584	9%	961	14%	6,740
1983-1984	1,066	15	515	7	1,095	16	589	9	939	14	6,910
1984-1985	1,175	16	544	7	1,166	16	627	8	979	13	7,423
1985-1986	1,152	15	549	7	1,198	16	623	8	987	13	7,462
1986-1987	1,165	16	539	8	1,184	16	599	8	960	13	7,269

Academic Year	Mayville State College		Jamestown College		Ellendale State College		Mary College		Out of State	
	No.	%	No.	%	No.	%	No.	%	No.	%
Instructional Personnel										
1982-1983	660	10%	137	2%	97	1%	208	3%	1,527	23%
1983-1984	634	9	128	2	90	1	225	3	1,629	24
1984-1985	701	10	132	2	83	1	229	3	1,787	24
1985-1986	711	10	132	2	80	1	240	3	1,790	25
1986-1987	692	10	129	2	71	1	234	3	1,696	23

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, various years.

TABLE 15.23

INSTITUTION GRANTING HIGHEST DEGREE EARNED TO ADMINISTRATIVE PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, SELECTED YEARS, 1982-1987

Academic Year	University of North Dakota		North Dakota State University		Minot State College		Dickinson State College		Valley City State College		Total
	No.	%	No.	%	No.	%	No.	%	No.	%	
Administrative Personnel											
1982-1983	77	30%	73	29%	8	3%	1	0%	8	3%	257
1983-1984	76	31	76	31	4	2	2	1	6	2	246
1984-1985	73	30	76	30	7	3	2	1	4	2	244
1985-1986	70	29	80	34	4	2	2	1	2	1	239
1986-1987	73	31	80	33	NA	NA	NA	NA	NA	NA	239

Academic Year	Mayville State College		Jamestown College		Ellendale State College		Mary College		Out of State	
	No.	%	No.	%	No.	%	No.	%	No.	%
Administrative Personnel										
1982-1983	7	3%	6	2%	0	0%	0	0%	77	30%
1983-1984	2	1	2	1	0	0	0	0	78	31
1984-1985	5	2	2	1	2	1	0	0	73	30
1985-1986	4	2	1	0	1	0	0	0	75	31
1986-1987	NA	NA	NA	NA	NA	NA	NA	NA	74	31

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, various years.

TABLE 15.26

ABBREVIATIONS USED FOR NAMES OF NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION

BSC	Bismarck State College Bismarck, ND 58501
DSU	Dickinson State University Dickinson, ND 58763
JC	Jamestown College Jamestown, ND 58401
MaSU	Mayville State University Mayville, ND 58257
MiSU	Minot State University Minot, ND 58701
NDSCS	North Dakota State College of Science Wahpeton, ND 58075
NDSU	North Dakota State University Fargo, ND 58105
NDSU-B	North Dakota State University-Bottineau Bottineau, ND 58318
UM	University of Mary Bismarck, ND 58501
UND	University of North Dakota Grand Forks, ND 58202
UND-LR	University of North Dakota-Lake Region Devils Lake, ND 58301
UND-W	University of North Dakota-Williston Williston, ND 58801
VCSU	Valley City State University Valley City, ND 58072

TABLE 15.24

AGE PROFILE OF ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, SELECTED YEARS, 1982-1987

Academic Year	Age Level 20-29 Years No.	 %	 30-39 Years No.	 %	 40-49 Years No.	 %	 50-59 Years No.	 %	 60-69 Years No.	 %	 Over 70 Years No.	 %	Total
Administrative Personnel													
1982-1983	4	2%	57	22%	84	33%	83	32%	29	11%	0	0%	257
1983-1984	2	0	46	19	86	35	83	34	29	12	0	0	246
1984-1985	2	1	50	20	92	38	82	34	18	7	0	0	244
1985-1986	1	0	49	21	88	37	79	33	22	9	0	0	239
1986-1987	1	0	43	18	87	37	88	37	20	8	0	0	239
Instructional Personnel													
1982-1983	1,598	24%	2,544	38%	1,425	21%	777	12%	391	5%	5	0%	6,740
1983-1984	1,463	21	2,756	40	1,496	22	838	12	356	5	1	0	6,910
1984-1985	1,793	24	2,919	39	1,586	21	859	12	265	4	1	0	7,423
1985-1986	1,622	22	2,996	41	1,675	22	913	12	255	3	1	0	7,462
1986-1987	1.186	16	2,869	40	1,946	27	981	13	286	4	1	0	7,269

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, various years.

TABLE 15.25

EXPERIENCE PROFILE OF ADMINISTRATIVE AND INSTRUCTIONAL PERSONNEL EMPLOYED FULL-TIME IN NORTH DAKOTA ELEMENTARY AND SECONDARY SCHOOLS, SELECTED YEARS, 1982-1987

Academic Year	Experience Level												
	1-5 Years		6-10 Years		11-20 Years		21-30 Years		31-40 Years		Over 41 Years		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	Total
Administrative Personnel													
1982-1983	9	4%	23	9%	96	37%	89	34%	40	16%	0	0%	257
1983-1984	11	4	16	7	82	34	94	38	43	17	0	0	246
1984-1985	5	2	15	6	90	37	97	40	36	15	1	0	244
1985-1986	4	2	12	5	86	36	100	42	36	15	1	0	239
1986-1987	6	3	13	5	84	35	101	43	34	14	1	0	239
Instructional Personnel													
1982-1983	1,906	28%	1,665	25%	1,984	30%	891	14%	284	3%	10	0%	6,740
1983-1984	1,879	26	1,698	25	2,125	31	933	14	266	4	9	0	6,910
1984-1985	1,980	27	1,776	24	2,400	32	992	13	263	4	12	0	7,423
1985-1986	1,799	25	1,747	23	2,580	34	1,054	14	269	4	13	0	7,462
1986-1987	1,615	22	1,639	23	2,625	36	1,108	15	267	4	15	0	7,269

SOURCE: North Dakota Dept. of Public Instruction, Administrative and Instructional Personnel in North Dakota, various years.

TABLE 15.27

RESIDENCE AND MIGRATION OF COLLEGE STUDENTS, NORTH DAKOTA AND SELECTED OTHER STATES, FALL 1981

State	Students Enrolled[1]	Student Residents[2]	Students Remaining[3]	Ratio of Students Remaining to		Migration of Students		
				Enrolled	Residents	Out of	Into	Net
NORTH DAKOTA	13,229	12,531	9,766	0.74	0.78	2,765	3,463	698
South Dakota	11,512	11,458	8,372	0.73	0.73	3,086	3,140	54
Montana	12,465	13,021	10,176	0.82	0.78	2,845	2,289	-556
Nebraska	35,575	34,701	30,242	0.85	0.87	4,459	5,333	874
Minnesota	65,247	67,542	54,544	0.84	0.81	12,998	10,703	-2,295
Wyoming	7,627	8,092	6,305	0.83	0.78	1,787	1,322	-465

SOURCE: National Center for Educational Statistics, Digest of Educational Statistics, 1985-1986.

[1] "Students enrolled" are students enrolled in the state (those remaining plus the immigrants).

[2] "Student residents" are those with residence in the state, and studying either in or out of the state.

[3] "Students remaining" are students studying in their home state.

TABLE 15.28

FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION, SELECTED YEARS, 1960-1987

Institution	1960	1970	1980	1982	1983	1984	1985	1986	1987
University of North Dakota	4,084	8,129	10,217	11,103	11,053	11,060	11,106	10,937	11,114
North Dakota State University	3,419	6,735	8,158	8,923	9,477	9,453	9,413	9,292	9,311
Minot State University	1,326	2,688	2,529	2,711	2,985	3,051	3,063	3,040	3,083
Dickinson State University	647	1,626	1,143	1,202	1,226	1,234	1,277	1,337	1,283
Valley City State University	804	1,364	1,217	1,081	1,167	1,046	1,088	1,065	1,081
Mayville State University	588	874	652	694	759	728	730	761	741
Bismarck State College	612	1,384	NA	NA	2,450	2,406	2,408	2,281	2,177
North Dakota State University-Bottineau	189	308	362	435	493	502	467	453	433
University of North Dakota-Lake Region	119	666	NA	NA	695	670	579	599	603
University of North Dakota-Williston	72	485	646	605	677	666	672	584	606
North Dakota State College of Science	1,086	2,884	3,337	3,398	3,171	2,932	2,837	2,583	2,425
Jamestown College	626	645	NA	NA	NA	-----	-----	-----	685
University of Mary	74	502	NA	NA	NA	-----	-----	-----	1,336
Ellendale State College	173	159	0	0	0	-----	-----	-----	-----
Total	13,819	28,449	28,261	30,152	34,153	33,748	33,640	32,932	34,878

SOURCE: North Dakota Higher Education Facilities Commission, Fall Headcount Enrollments at North Dakota Institutions of Post-Secondary Education, various years and North Dakota State Board of Higher Education, Fall 1987 Enrollment North Dakota Institutions of Higher Education.

TABLE 15.29

FULL-TIME FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY PROGRAM STATUS, 1987

Institution	Freshman	Sophomore	Junior	Senior	Graduate	Special	Unclass.	Prof.	Total
Dickinson State University	527	270	221	217	-----	48	-----	-----	1,283
Mayville State University	227	128	108	139	-----	139	-----	-----	741
Minot State University	1,170	518	573	702	58	62	-----	-----	3,083
North Dakota State University	2,332	1,890	1,580	2,320	960	229	-----	-----	9,311
University of North Dakota	2,568	2,485	1,891	2,537	1,211	15	-----	407	11,114
Valley City State University	409	202	169	175	-----	126	-----	-----	1,081
Total	7,233	5,493	4,542	6,090	2,229	619	-----	407	26,613
Bismarck State College	1,311	644	-----	-----	-----	222	-----	-----	2,177
North Dakota State School of Science	1,502	923	-----	-----	-----	-----	-----	-----	2,425
North Dakota State University-Bottineau	204	135	-----	-----	-----	94	-----	-----	433
University of North Dakota-Lake Region	435	168	-----	-----	-----	-----	-----	-----	603
University of North Dakota-Williston	333	189	-----	-----	-----	84	-----	-----	606
Total	3,785	2,059	-----	-----	-----	400	-----	-----	6,244
Jamestown College	271	138	118	77	-----	81	-----	-----	685
University of Mary	332	229	286	271	119	30	69	-----	1,336
Total	603	367	404	348	119	111	69	-----	2,021
All Total	11,621	7,919	4,946	6,438	2,348	1,130	69	407	34,878

SOURCE: North Dakota State Board of Higher Education, Fall 1987 Enrollment North Dakota Institutions of Higher Education.

TABLE 15.30

FALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY SEX AND MARITAL STATUS, 1987

Institution	Sex		Marital Status		
	Male	Female	Single	Unknown	Married
Bismarck State College	1,000	1,177	1,701	2	474
Dickinson State University	526	757	1,009	6	268
Mayville State University	312	429	580		161
Minot State University	1,195	1,891	2,466	1	619
North Dakota State School of Science	1,664	761	2,138		287
North Dakota State University*	5,760	3,551	8,015	1	1,295
North Dakota State University-Bottineau	252	181	403		30
University of North Dakota	5,704	5,234	9,407	2	1,529
University of North Dakota-Lake Region	308	295	508		95
University of North Dakota-Williston	260	346	322	72	212
Valley City State University	475	606	910	12	159
Jamestown College	329	356	592		93
University of Mary	553	783	849	80	407
Totals	18,338	16,367	28,900	176	5,629

SOURCE: North Dakota State Board of Higher Education, Fall 1987 Enrollment North Dakota Institutions of Higher Education.

* Does not include 176 extended degree program students.

TABLE 15.35

REVENUES AND EXPENDITURES OF NORTH DAKOTA EDUCATIONAL INSTITUTIONS GOVERNED BY THE STATE BOARD OF HIGHER EDUCATION, SELECTED YEARS, 1979-1980 TO 1986-1987

	1979-1980		1980-1981	
Institution	Revenues	Expenditures	Revenues	Expenditures
UND	$72,896,827	$72,381,770	$83,480,659	$82,998,507
NDSU	51,528,678	51,312,609	62,736,007	59,528,353
MiSU	8,605,025	8,888,060	10,091,796	9,989,683
DSU	4,774,092	4,847,127	6,163,057	5,905,722
VCSU	3,860,499	4,085,575	4,547,639	4,526,789
MaSU	3,974,010	3,943,576	3,986,590	3,930,649
NDSU-B	2,493,980	2,587,280	2,779,346	2,746,773
NDSSS	12,129,958	12,407,509	14,740,902	14,107,542
	June 1983		June 1985	
UND	$104,390,531	$103,906,887	$122,433,127	$121,082,538
NDSU	78,519,283	74,246,080	90,077,203	87,689,937
MiSU	12,219,463	11,780,895	14,144,031	14,341,230
DSU	7,700,906	6,669,525	7,767,376	7,408,771
VCSU	5,653,715	5,447,143	7,292,571	6,573,993
MaSU	5,143,544	5,130,954	5,368,922	5,354,662
NDSU-B	3,183,613	3,143,763	3,420,164	3,487,368
NDSSS	18,788,798	17,868,334	19,989,061	19,234,519
BSC	----------	----------	7,736,237	8,143,719
UND-LR	----------	----------	3,523,124	3,451,330
UND-W	----------	----------	2,891,876	3,132,395
	June 1986		June 1987	
UND	$135,238,318	$134,848,512	$139,637,548	$137,171,254
NDSU	91,018,222	91,553,386	99,300,868	95,539,081
MiSU	14,492,609	15,195,837	16,775,470	16,073,669
DSU	7,793,289	7,573,771	8,260,979	8,177,389
VCSU	6,780,427	7,046,871	7,909,743	8,311,248
MaSU	5,680,258	5,602,299	5,822,496	5,746,070
NDSU-B	3,678,341	3,710,807	3,840,247	3,761,724
NDSSS	19,990,980	19,234,519	19,178,679	20,128,027
BSC	9,972,999	9,444,632	9,243,290	9,325,024
UND-LR	3,528,173	3,463,471	3,702,966	3,458,629
UND-W	3,173,860	2,478,554	2,901,530	2,655,511

SOURCE: North Dakota State Board of Higher Education, Biennial Report, various years.

16.00

GOVERNMENT AND ELECTIONS

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TABLE 15.31

ALL HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY COUNTY OF STUDENT RESIDENCE, 1987

Counties	BSC	DSU	MaSU	MiSU	NDSCS	NDSU	NDSU-B	UND	UND-LR	UND-W	VCSU	JC	UM	Total
Adams	3	35	3	1	1	16	---	30	---	---	---	1	3	93
Barnes	4	---	4	2	39	78	4	77	1	---	291	11	4	515
Benson	3	---	8	28	14	30	5	57	81	1	16	1	5	249
Billings	---	13	---	---	1	7	---	1	---	---	1	---	---	23
Bottineau	6	---	3	81	26	54	171	78	1	---	---	1	3	424
Bowman	6	43	---	---	13	46	---	26	---	1	1	2	8	146
Burke	5	7	1	34	22	22	5	30	1	7	1	4	---	139
Burleigh	1,199	21	1	50	60	332	12	559	3	1	14	15	600	2,867
Cass	4	5	31	9	102	3,092	4	393	4	---	68	10	13	3,735
Cavalier	2	---	18	4	17	48	2	124	16	1	3	2	1	238
Dickey	---	---	7	2	41	52	---	25	---	---	24	4	1	156
Divide	2	2	3	40	13	16	---	36	---	9	---	---	---	121
Dunn	9	45	---	7	23	15	---	22	---	6	2	2	---	131
Eddy	2	---	5	2	6	25	2	26	23	1	22	2	5	121
Emmons	39	4	8	14	23	54	---	48	---	---	11	---	20	221
Foster	6	---	8	4	12	43	---	38	5	---	23	8	5	152
Golden Valley	5	20	---	3	5	17	2	12	---	1	---	1	2	68
Grand Forks	4	1	37	4	69	122	3	2,360	3	1	6	7	3	2,620
Grant	20	20	---	5	8	28	2	17	1	---	1	1	13	116
Griggs	1	---	4	3	12	24	3	21	1	---	23	2	2	96
Hettinger	7	64	---	4	19	40	1	25	---	---	---	---	13	173
Kidder	27	---	1	2	18	25	---	14	---	---	5	2	13	107
LaMoure	7	1	4	1	37	61	---	24	---	---	58	21	3	217
Logan	12	1	---	---	17	35	1	12	1	---	9	2	20	110
McHenry	14	10	5	93	25	33	15	49	4	3	2	---	5	258
McIntosh	14	---	2	5	21	39	1	15	---	---	8	11	16	132
McKenzie	12	27	1	15	21	25	---	48	1	36	4	---	5	195
McLean	100	5	3	100	40	74	6	88	2	3	1	7	19	448
Mercer	43	23	1	35	35	51	3	60	---	2	6	3	18	280
Morton	405	37	3	29	49	149	2	151	3	5	19	7	120	979

TABLE 15.31--Continued

County	BSC	DSU	MaSU	MiSU	NDSCS	NDSU	NDSU-B	UND	UND-LR	UND-W	VCSU	JC	UM	Total
Mountrail	9	8	1	85	16	41	5	61	---	10	---	11	7	254
Nelson	2	1	9	2	14	55	1	88	18	---	16	2	6	214
Oliver	24	2	1	6	6	11	---	4	---	---	1	4	5	64
Pembina	1	3	27	10	29	44	2	175	3	---	1	1	1	297
Pierce	8	---	4	33	21	32	11	48	5	---	11	3	2	178
Ramsey	3	---	20	22	26	46	3	227	329	---	7	4	7	694
Ransom	---	---	5	---	32	66	1	24	---	---	24	2	---	154
Renville	5	1	---	53	17	22	3	24	---	7	---	4	3	139
Richland	2	---	10	3	290	176	1	78	2	---	22	9	4	597
Rolette	6	3	7	37	33	39	47	136	4	---	2	2	5	321
Sargent	---	---	4	1	66	50	1	17	2	---	20	2	---	163
Sheridan	9	---	---	12	5	15	1	9	---	---	7	2	4	64
Sioux	13	---	---	2	1	9	---	17	---	---	---	---	20	62
Slope	---	5	1	---	5	2	---	1	---	---	---	---	2	16
Stark	25	660	2	8	72	145	3	153	1	12	1	---	24	1,106
Steele	1	---	19	2	11	20	---	22	3	---	10	2	---	90
Stutsman	17	2	5	5	70	127	---	130	3	---	221	241	8	829
Towner	3	---	3	7	9	24	2	65	32	---	8	5	1	159
Traill	1	---	255	2	19	65	---	107	1	---	3	2	---	455
Walsh	2	---	24	7	63	61	2	287	11	---	3	2	1	463
Ward	19	13	3	1,753	66	157	3	311	4	12	3	3	24	2,371
Wells	14	2	5	28	21	51	3	48	17	---	10	4	18	221
Williams	13	22	3	135	38	96	1	225	3	403	5	3	4	951
Unspecified	---	---	---	---	---	---	---	---	---	---	---	6	16	22
Totals	2,138	1,106	569	2,790	1,719	6,007	334	6,723	589	522	994	441	1,082	25,014

SOURCE: North Dakota State Board of Higher Education, Fall 1987 Enrollment North Dakota Institutions of Higher Education.

TABLE 15.32

HEADCOUNT ENROLLMENTS AT NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION BY RACE, FALL 1987*

Institution	American Indian	Afro American	Oriental American	Spanish Surname American	American White	Other	No Response
Bismarck State College	47	2	2	4	1,982	3	137
Dickinson State University	24	5	1	4	1,238	10	1
Mayville State University	6	4	---	---	695	36	---
Minot State University	40	54	8	32	2,645	175	132
North Dakota State School of Science	48	16	21	2	2,321	14	3
North Dakota State University	72	35	54	14	8,652	364	120
North Dakota State University-Bottineau	19	7	1	---	343	22	41
University of North Dakota**	271	44	77	38	10,025	342	141
University of North Dakota-Lake Region	25	3	3	---	565	6	1
University of North Dakota-Williston	32	---	1	3	566	3	1
Valley City State University	4	7	4	2	1,044	17	3
Jamestown College	14	6	1	5	654	5	---
University of Mary	93	10	8	2	1,118	11	94
Totals	695	193	181	106	31,848	1,008	674

SOURCE: North Dakota State Board of Higher Education, Fall 1987 Enrollment North Dakota Institutions of Higher Education.

* All Institutions Data is Voluntary Self-Reported.

** Does not include 176 extended degree program students.

TABLE 15.33

DEGREES CONFERED BY NORTH DAKOTA INSTITUTIONS OF HIGHER EDUCATION, FISCAL YEAR, 1987

Institution	Total Degree	Degree						
		Associate	Bachelors	Masters	Doctorate	Specialist	J.D. (Law)	M.D.
University of North Dakota	2,026	41	1,561	255	49	3	71	46
North Dakota State University	1,781	86	1,419	242	27	7	---	---
Minot State University	645	95	491	59	---	---	---	---
Mayville State University	137	25	112	---	---	---	---	---
Valley City State University	208	27	181	---	---	---	---	---
Dickinson State University	258	62	196	---	---	---	---	---
Jamestown College	116	---	116	---	---	---	---	---
University of Mary	254	3	251	---	---	---	---	---
North Dakota State School of Science	874	874	---	---	---	---	---	---
North Dakota State University-Bottineau	99	99	---	---	---	---	---	---
University of North Dakota-Williston	114	114	---	---	---	---	---	---
University of North Dakota-Lake Region	113	113	---	---	---	---	---	---
Bismarck State College	484	484	---	---	---	---	---	---
NorthWest Bible College	23	9	14	---	---	---	---	---
Trinity Bible Institute	53	15	38	---	---	---	---	---
Total Degrees by Type	7,185	2,047	4,379	556	77	10	71	46

SOURCE: North Dakota Post-Secondary Education Commission, *Programs Offered and Programs Completed at North Dakota Institutions of Post-Secondary Education*, 1986-1987.

TABLE 15.34

TUITION, FEES, AND LIVING EXPENSES
NORTH DAKOTA HIGHER EDUCATION INSTITUTIONS
PER ACADEMIC YEAR 1988-1989

			Tuition					
			Resident		Nonresident		South Dakota, Montana, Saskatchewan, & Manitoba	
Institution	Term		Full Time	Part Time*	Full Time	Part Time*	Full Time	Part Time*
Bismarck State College	S	a	$1,122.00	$46.75	$2,802.00	$116.75	$1,193.00	$49.71
Dickinson State University	S	a	1,122.00	46.75	2,802.00	116.75	1,240.00	51.67
Mayville State University	Q	a	1,122.00	31.17	2,802.00	77.83	1,240.00	34.44
Minot State University	Q	a	1,122.00	31.17	2,802.00	77.83	1,240.00	34.44
		b	1,464.00	40.67	3,243.00	90.08	1,546.00	42.94
North Dakota State College of Science	Q	a	1,122.00	31.17	2,802.00	77.83	1,193.00	33.14
North Dakota State University	Q	a	1,254.00	34.83	3,138.00	87.17	1,902.00	52.83
		b	1,464.00	40.67	3,660.00	101.67	2,136.00	59.33
North Dakota State University-Bottineau	Q	a	1,122.00	31.17	2,802.00	77.83	1,193.00	33.14
University of North Dakota	S	a	1,254.00	52.25	3,138.00	130.75	1,902.00	79.25
		b	1,464.00	61.00	3,660.00	152.50	2,136.00	89.00
		c	1,658.00	69.08	4,150.00	172.92	--------	-----
		d	5,654.00 to 7,260.00	235.58	14,135.00 to 18,148.00	588.96	--------	-----
University of North Dakota-Lake Region	S	a	1,122.00	46.75	2,802.00	116.75	1,193.00	49.71
University of North Dakota-Williston	S	a	1,122.00	46.75	2,802.00	116.75	1,193.00	49.71
Valley City State University	Q	a	1,122.00	31.17	2,802.00	77.83	1,240.00	34.44

TABLE 15.34--Continued

Institution	Tuition		Fees		Room**		Board***	
	Full Time	Part Time*	Full Time	Part Time*	Double	Single	5 Day	7 Day
Bismarck State College	$1,193.00	$49.71	$120.00	$5.00	$660.00	------	$1,120.00	------
Dickinson State University	1,240.00	51.67	177.00	7.38	650.00	$900.00	1,100.00	------
Mayville State University	1,240.00	34.44	169.50	4.71	669.00	960.00	1,095.00	------
Minot State University	1,240.00	34.44	132.00	3.67	660.00	945.00	960.00	------
	1,546.00	42.94	132.00	3.67	------	------	------	------
North Dakota State College of Science	1,193.00	33.14	75.00	2.08	585.00	780.00	1,020.00	975.00
North Dakota State University	1,536.00	42.67	135.00	3.75	765.00	870.00	1,065.00	1,290.00
	1,546.00	42.94	135.00	3.75	hi-rise 720.00 others	------	------	------
North Dakota State University-Bottineau	1,193.00	33.14	160.50	4.46	636.00	786.00	1,161.00	------
University of North Dakota	1,536.00	64.00	218.00	9.08	784.00	1,044.00	1,190.00	1,320.00
	1,536.00	64.00	218.00	9.08	------	------	------	------
	--------	-----	218.00	9.08	------	------	------	------
	--------	-----	218.00	9.08	------	------	------	------
University of North Dakota-Lake Region	1,193.00	49.71	180.00	7.50	710.00 to 760.00	940.00 to 990.00	1,200.00	------
University of North Dakota-Williston	1,193.00	49.71	182.00	7.58	600.00	960.00	500.00 10 meals	------
Valley City State University	1,240.00	34.44	156.00	4.33	570.00	810.00	1,257.00	1,116.00

SOURCE: North Dakota State Board of Education

S - Semester
Q - Quarter
a - Undergraduate
b - Graduate
c - Law
d - Medicine

* Per credit hour for less than 12 hours per semester or quarter.

** All institution room rates include charges for telephone except BSC, UND-Williston, and UND-Lake Region where students pay directly to the telephone company for telephone connection.

*** Each campus has optional meal plans available to their students.

TABLE 16.02

ESTIMATED VOTING AGE POPULATION AND PERCENT CASTING VOTE BY STATE, 1980 TO 1986

State	Voting Age Population* (Thousands)		% Casting Votes For Presidential Electors		% Casting Votes For U.S. Representatives		
	1982	1986	1960	1984	1980	1982	1984
United States	169,939	178,335	52.6%	53.1%	47.4%	38.0%	47.7%
Alabama	2,823	2,949	48.7	49.8	36.7	34.0	39.7
Alaska	310	373	57.2	59.8	56.2	58.4	59.2
Arizona	2,091	2,399	44.5	45.5	43.5	34.0	41.8
Arkansas	1,661	1,729	51.5	51.8	12.4	45.7	27.2
California	18,357	19,811	49.0	49.8	46.7	41.3	46.9
Colorado	2,256	2,432	55.8	55.2	54.2	41.9	53.2
Connecticut	2,359	2,445	61.0	60.9	58.1	45.4	59.5
Delaware	445	469	54.8	55.7	50.3	42.2	53.1
District of Columbia	489	483	35.4	43.2	30.6	23.1	33.2
Florida	8,090	9,111	48.7	48.4	40.9	27.3	28.2
Georgia	4,049	4,402	41.2	42.0	35.0	22.3	36.0
Hawaii	725	782	43.5	44.3	40.4	41.1	36.4
Idaho	665	705	67.8	59.7	64.3	48.3	58.8
Illinois	8,344	8,490	57.7	57.1	54.3	43.3	54.3
Indiana	3,942	4,033	57.6	55.9	56.3	45.6	54.5
Iowa	2,113	2,115	62.9	62.2	59.9	47.6	59.8
Kansas	1,768	1,809	56.7	57.1	54.0	42.8	55.5
Kentucky	2,654	2,728	49.9	50.8	40.7	26.4	44.1
Louisiana	3,050	3,186	53.1	54.6	25.0	17.0	20.6
Maine	830	874	64.6	64.6	63.3	54.5	63.3
Maryland	3,176	3,333	50.0	51.4	45.5	34.4	45.9
Massachusetts	4,358	4,525	59.0	57.4	52.7	43.4	52.6
Michigan	6,543	6,633	59.9	57.7	55.0	42.9	52.4
Minnesota	3,001	3,098	70.0	68.4	65.0	58.3	64.8
Mississippi	1,772	1,833	51.9	52.2	45.8	36.2	48.2
Missouri	3,636	3,744	58.7	57.4	57.4	42.0	55.2
Montana	576	595	65.0	65.3	60.5	55.0	63.1
Nebraska	1,151	1,177	56.7	55.8	55.3	45.1	55.6
Nevada	652	724	41.2	41.8	40.7	35.9	39.5
New Hampshire	699	765	57.2	53.0	54.2	38.5	50.8

TABLE 16.02--Continued

State	Voting Age Population* (Thousands) 1982	Voting Age Population* (Thousands) 1986	% Casting Votes For Presidential Electors 1980	% Casting Votes For Presidential Electors 1984	% Casting Votes For U.S. Representatives 1980	% Casting Votes For U.S. Representatives 1982	% Casting Votes For U.S. Representatives 1984
New Jersey	5,551	5,815	54.9	56.4	50.6	38.7	52.4
New Mexico	951	1,035	50.8	51.7	45.5	41.5	50.3
New York	13,142	13,472	48.0	50.9	43.4	35.6	46.5
North Carolina	4,429	4,748	43.4	47.3	40.7	29.8	46.9
North Dakota	480	495	64.8	62.9	62.9	54.2	62.9
Ohio	7,818	7,891	55.4	57.9	51.1	42.5	55.1
Oklahoma	2,345	2,445	52.2	52.3	38.0	36.5	46.3
Oregon	1,953	2,016	61.3	61.7	57.4	52.0	60.5
Pennsylvania	8,909	9,023	51.9	53.9	49.2	40.7	51.8
Rhode Island	723	750	57.7	55.6	54.6	46.1	52.8
South Carolina	2,309	2,467	40.4	40.6	37.5	28.5	38.8
South Dakota	494	509	67.4	63.1	65.7	55.9	62.7
Tennessee	3,408	3,563	48.7	49.1	39.6	34.5	37.7
Texas	10,883	11,891	44.9	47.3	40.2	26.2	41.0
Utah	993	1,058	64.4	61.5	63.1	49.3	58.7
Vermont	381	401	57.6	59.9	52.7	43.3	57.7
Virginia	4,075	4,377	47.6	50.6	39.6	32.8	43.3
Washington	3,136	3,317	57.4	58.4	53.5	41.7	56.0
West Virginia	1,419	1,435	52.8	51.4	49.1	38.5	49.2
Wisconsin	3,446	3,515	67.3	63.6	63.2	42.1	59.6
Wyoming	353	360	53.3	53.4	51.2	45.0	53.1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States.

* Population age 21 and over, except as noted.

Note: Based on population as of November 1. Includes Armed Forces stationed in each state, aliens, and institutional population.

TABLE 16.03

POPULAR VOTE FOR PRESIDENT AND PERCENT OF VOTE FOR LEADING PARTY, THE UNITED STATES AND NORTH DAKOTA, 1948-1984

	United States		North Dakota	
Year	Vote*	% for Leading Party	Vote*	% for Leading Party
1948	48,794	D-49.6	221	R-52.2
1952	61,551	R-55.1	270	R-71.0
1956	62,027	R-57.4	254	R-61.7
1960	68,838	D-49.7	278	R-55.4
1964	70,645	D-61.1	258	D-58.0
1968	73,212	R-43.4	248	R-55.9
1972	77,719	R-60.7	281	R-62.1
1976	81,551	D-50.1	297	R-51.6
1980	86,515	R-50.7	302	R-64.2
1984	92,653	R-58.8	309	R-64.8

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

* In thousands.

D - Democratic

R - Republican

TABLE 16.01

LOCAL GOVERNMENTS BY NORTH DAKOTA COUNTY, 1982

County	Local Governments*					Intercounty Units Serving Part of This County But Centered in Another**		
	Total, Including County Gov.	Munici-palities	Town-ships	School Districts	Special Districts	Munici-palities	School Districts	Special Districts
NORTH DAKOTA	2,795	365	1,360	325	692	7	181	115
Adams	43	4	20	10	8	-----	3	1
Barnes	79	13	42	6	17	1	6	2
Benson	71	9	37	7	17	-----	7	3
Billings	3	1	-----	1	-----	-----	-----	2
Bottineau	90	13	44	9	23	-----	3	2
Bowman	43	4	25	6	7	-----	1	3
Burke	55	7	29	5	13	-----	2	-----
Burleigh	65	4	40	14	6	1	3	2
Cass	128	26	50	13	38	-----	4	4
Cavalier	79	13	40	8	17	-----	4	2
Dickey	56	7	32	5	11	-----	4	6
Divide	46	4	32	2	7	-----	4	2
Dunn	16	4	-----	4	7	-----	2	4
Eddy	31	2	18	2	8	-----	3	4
Emmons	36	5	9	9	12	-----	3	1
Foster	34	4	18	4	7	-----	1	3
Golden Valley	25	3	11	4	6	-----	-----	-----
Grand Forks	79	9	41	9	19	1	4	2
Grant	31	4	14	4	8	-----	3	2
Griggs	35	3	20	3	8	-----	5	3

TABLE 16.01--Continued

County	Local Governments*					Intercounty Units Serving Part of This County But Centered in Another**		
	Total Including County Gov.	Munici-palities	Town-ships	School Districts	Special Districts	Munici-palities	School Districts	Special Districts
Hettinger	49	3	32	3	10	-----	1	-----
Kidder	60	6	37	5	11	-----	8	2
LaMoure	67	8	32	7	19	-----	6	-----
Logan	23	3	11	2	6	1	3	2
McHenry	86	14	45	8	18	-----	5	5
McIntosh	20	5	1	4	9	-----	2	2
McKenzie	51	4	24	7	15	-----	1	2
McLean	71	11	32	9	18	-----	2	4
Mercer	26	6	-----	5	14	-----	4	1
Morton	35	6	2	9	17	-----	2	-----
Mountrail	81	7	49	6	18	-----	5	1
Nelson	60	7	27	6	19	-----	1	2
Oliver	8	1	-----	3	3	-----	6	5
Pembina	68	11	24	7	25	1	1	1
Pierce	30	4	15	4	6	-----	3	4
Ramsey	58	8	34	6	9	-----	2	3
Ransom	42	5	24	5	7	-----	6	3
Renville	45	6	24	4	10	-----	5	1
Richland	88	14	36	7	30	-----	2	-----
Rolette	34	5	8	6	14	-----	3	1

TABLE 16.01--Continued

County	Local Governments*					Intercounty Units Serving Part of This County But Centered in Another**		
	Total Including County Gov.	Munici- palities	Town- ships	School Districts	Special Districts	Munici- palities	School Districts	Special Districts
Sargent	48	7	24	3	13	-----	3	-----
Sheridan	28	3	15	2	7	-----	3	5
Sioux	14	3	1	6	3	-----	-----	-----
Slope	32	2	22	4	3	-----	5	2
Starke	30	6	-----	7	16	-----	1	1
Steele	35	4	20	3	7	-----	6	2
Stutsman	101	10	62	12	16	-----	7	4
Towner	49	7	28	4	9	1	5	4
Traill	62	8	25	8	20	1	2	2
Walsh	87	13	36	10	27	-----	8	2
Ward	106	12	57	14	22	-----	2	4
Wells	62	7	36	5	13	-----	4	1
Williams	94	10	55	9	19	-----	-----	1

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, 1982 Census of Governments, Vol. 1, Governmental Organization.

* Includes intercounty units serving part of this county but centered in another, as well as governments centered in this county.

** Each intercounty government is geographically assigned to the county where its headquarters are located.

TABLE 16.04

VOTE CAST FOR PRESIDENTIAL CANDIDATES IN THE 1984 GENERAL ELECTION BY NORTH DAKOTA COUNTY

County	Number of Precincts	Total Votes Cast	Candidates			
			Bergland Libertarian	Dodge *	Hall Communist	Johnson Citizens
			Presidential Electors			
			Anderson Brekke Gardner	Ellsworth Jenson Klingensmith	Fields King Noll	Donaldson Kirschner Rude
Adams	12	1,991	3	1	1	0
Barnes	40	7,315	10	5	4	6
Benson	15	3,563	5	2	1	2
Billings	7	688	1	0	0	1
Bottineau	24	4,897	6	0	2	7
Bowman	14	2,236	1	1	2	4
Burke	20	1,959	2	0	0	1
Burleigh	45	30,948	77	20	19	38
Cass	69	43,690	121	19	12	46
Cavalier	22	4,024	4	0	1	2
Dickey	16	3,735	2	0	0	6
Divide	18	1,939	1	0	0	2
Dunn	20	2,464	1	1	0	2
Eddy	10	1,974	8	0	0	1
Emmons	16	2,877	2	3	3	2
Foster	20	2,318	4	0	1	3
Golden Valley	9	1,360	4	0	1	3
Grand Forks	36	27,173	85	13	13	22
Grant	18	2,291	2	3	0	4
Griggs	25	2,206	4	0	0	1
Hettinger	13	2,312	2	0	2	2
Kidder	13	1,960	2	0	0	6
LaMoure	16	3,299	6	6	0	6
Logan	11	1,910	0	1	3	2
McHenry	38	4,027	2	0	1	1

TABLE 16.04--Continued

County	Number of Precincts	Total Votes Cast	Candidates			
			Bergland Libertanian	Dodge *	Hall Communist	Johnson Citizens
			Presidential Electors			
			Anderson Brekke Gardner	Ellsworth Jenson Klingensmith	Fields King Noll	Donaldson Kirschner Rude
McIntosh	15	2,754	1	2	3	8
McKenzie	23	3,761	14	1	1	2
McLean	43	6,282	11	5	3	11
Mercer	19	5,768	11	3	4	4
Morton	29	12,238	19	21	5	14
Mountrail	46	3,731	3	3	0	2
Nelson	8	2,691	9	2	3	2
Oliver	7	1,402	2	1	0	2
Pembina	20	4,609	29	4	2	6
Pierce	13	2,872	6	1	4	2
Ramsey	25	7,005	15	8	2	13
Ransom	13	3,156	8	3	3	6
Renville	12	1,868	1	1	0	0
Richland	48	9,646	13	9	2	9
Rolette	12	4,072	14	4	4	14
Sargent	16	2,878	2	5	2	5
Sheridan	13	1,487	2	0	1	1
Sioux	9	1,191	2	1	0	1
Slope	6	634	0	0	0	0
Stark	15	10,937	47	18	39	35
Steele	24	1,822	4	3	1	1
Stutsman	26	10,920	20	7	5	10
Towner	11	2,174	5	0	1	4
Traill	34	5,007	12	6	1	5
Walsh	25	7,157	22	4	3	9
Ward	36	24,329	32	8	8	17
Wells	45	3,698	2	0	0	4
Williams	53	11,934	42	25	6	11
Total	1,193	324,179	703	220	169	368

TABLE 16.05

NORTH DAKOTA GOVERNORS AND LIEUTENANT GOVERNORS, STATEHOOD - PRESENT*

Governors	Term
John Miller (R) (1843-1908) Elected 1889; didn't seek re-election 1890	1889-1890
Andrew H. Burke (R) (1850-1918) Elected 1890; defeated for re-election 1892	1891-1892
Eli C. D. Shortridge (Pop) (1830-1908) Elected 1892; didn't seek re-election 1894	1893-1894
Roger Allin (R) (1848-1936) Elected 1894; didn't seek re-election 1896	1895-1896
Frank A. Briggs (R) (1858-1898) Elected 1896; died in office, August 9, 1898	1897-1898
Joseph M. Devine (R) (1861-1938) Lieutenant Governor; completed Frank Brigg's term	1898-1898
Frederick B. Fancher (R) (1852-1944) Elected 1898; defeated for renomination 1900	1899-1900
Frank White (R) (1856-1940) Elected 1900, 1902; didn't seek re-election 1904	1901-1904
Elmore Y. Sailes (R) (1859-1929) Elected 1904; defeated for re-election 1906	1905-1906
John Burke (D) (1859-1937) Elected 1906, 1908, 1910; didn't seek re-election 1912	1907-1912
Louis B. Hanna (R) (1861-1948) Elected 1912, 1914; didn't seek re-election 1916	1913-1916
Lynn J. Frazier (R) (1874-1947) Elected 1916, 1918, 1920; recalled October 28, 1921	1917-1921
Ragnvold A. Nestos (R) (1877-1942) Elected 1921, 1922; defeated for re-election 1924	1921-1924
Arthur G. Sorlie (R) (1874-1928) Elected 1924,1926; died in office, August 28, 1928	1925-1928
Walter J. Maddock (R) (1880-1951) Lieutenant Governor; completed Arthur Sorlie's term	1928-1928
George F. Shafer (R) (1888-1948) Elected 1928, 1930; didn't seek re-election 1932	1929-1932
William Langer (R) (1886-1959) Elected 1932; removed from office July 17, 1934	1933-1934
Ole H. Olson (R) (1872-1954) Lieutenant Governor; completed William Langer's term	1934-1934
Thomas H. Moodie (D) (1878-1948) Elected 1934; removed from office, February 16, 1935	1935-1935
Walter Welford (R) (1868-1952) Lieutenant Governor; completed Thomas Moodie's term, defeated for election 1936	1935-1936
William Langer (R) (1886-1959) Elected 1936; didn't seek re-election 1938	1937-1938
John Moses (D) (1885-1945) Elected 1938, 1940, 1942; didn't seek re-election 1944	1939-1944
Fred G. Aandahl (R) (1897-1966) Elected 1944, 1946, 1948; didn't seek re-election 1950	1945-1950
C. Norman Brunsdale (R) (1891-1957) Elected 1950, 1952, 1954; didn't seek re-election 1956	1951-1956

TABLE 16.05--Continued

Governors	Term
John F. Davis (R) (1913-) Elected 1956, 1958; didn't seek re-election 1960	1957-1960
William L. Guy (D) (1919-) Elected 1960, 1962, 1964, 1968; didn't seek re-election 1972	1961-1972
Arthur A. Link (D) (1914-) Elected 1972, 1976; defeated for re-election 1980	1973-1980
Allen I. Olson (R) (1938-) Elected 1980; defeated for re-election 1984	1981-1984
George A. Sinner (D) (1928-) Elected 1984	1985-

Lieutenant Governors	Term
Alfred Dickey (R) (1846-1902) Elected 1889; didn't seek renomination 1890	1889-1890
Roger Allin (R) (1848-1936) Elected 1890; defeated for renomination at 1892 Republican convention	1891-1892
Elmer D. Wallace (Pop) (1844-1928) Elected 1892; didn't seek re-election 1894	1893-1894
John H. Worst (R) (1850-1945) Elected 1894; defeated for renomination at 1896 Republican convention	1895-1896
Joseph M. Devine (R) (1861-1938) Elected 1896, 1898; didn't seek re-election 1900	1897-1900
David Barlett (R) (1854-1913) Elected 1900, 1902, 1904; didn't seek re-election 1906	1901-1906
Robert S. Lewis (R) (1856-1956) Elected 1906, 1908; didn't seek re-election 1900	1907-1910
Usher L. Burdick (R) (1879-1960) Elected 1910; didn't seek re-election 1912	1911-1912
Anton T. Kraabel (R) (1862-1934) Elected 1912; defeated in June 1914 Republican primary	1913-1914
John H. Fraine (R) (1861-1943) Elected 1914; didn't seek re-election 1916	1915-1916
Anton T. Kraabel (R) (1862-1934) Elected 1916; defeated in June 1918 Republican primary	1917-1918
Howard R. Wood (R) (1887-1958) Elected 1918, 1920; didn't seek re-election 1922	1919-1922
Frank H. Hyland (R) (1880-1934) Elected 1922; didn't seek re-election 1928	1923-1924
Walter J. Maddock (R) (1880-1951) Elected 1924; 1926; didn't seek re-election 1928	1925-1928
John W. Carr (R) (1874-1932) Elected 1928, 1930; died in office, June 14, 1932	1929-1932
Ole H. Olson (R) (1872-1954) Elected 1932; defeated in June 1934 Republican primary	1933-1934
Walter Welford (R) (1868-1952) Elected 1934; didn't seek re-election 1936	1935-1936
Thorstein H. H. Thoresen (R) (1885-1956) Elected 1936; didn't seek re-election 1938	1937-1938
Jack A. Patterson (R) (1890-) Elected 1938; didn't seek re-election 1940	1939-1940

TABLE 16.05--Continued

Lieutenant Governors	Term
Oscar W. Hagen (R) (1884-1945) Elected 1940; didn't seek re-election 1942	1941-1942
Henry Holt (D) (1888-1944) Elected 1942; died in office, March 2, 1944	1943-1944
Clarence P. Dahl (R) (1892-1976) Elected 1944, 1946, 1948; didn't seek re-election 1950	1945-1950
Ray Schnell (R) (1893-1970) Elected 1950; defeated in June 1952 Republican primary	1951-1952
Clarence P. Dahl (R) (1892-1976) Elected 1952, 1954; didn't seek re-election 1956	1953-1956
Francis Clyde Duffy (R) (1890-1977) Elected 1956; didn't seek re-election 1958	1957-1958
Clarence P. Dahl (R) (1892-1976) Elected 1958; didn't seek re-election 1960	1959-1960
Orville W. Hagen (R) (1915-) Elected 1960; didn't seek re-election 1962	1961-1962
Frank A. Wenstrom (R) (1903-) Elected 1962; defeated in November 1964 general election	1963-1964
Charles Tighe (D) (1927-) Elected 1964; defeated in November 1968 general election	1965-1968
Richard F. Larsen (R) (1936-) Elected 1968; didn't seek re-election 1972	1969-1972
Wayne G. Sanstead (D) (1935-) Elected 1972, 1976; defeated for re-election 1980	1973-1980
Ernest M. Sands (R) (1922-) Elected 1980	1981-1984
Ruth Meiers (D) (1925-1987) Elected 1984; died in office	1985-1987
Lloyd B. Omdahl (D) (1931-) Appointed to fill vacancy created by Ruth Meiers death	1987-

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SOURCE: North Dakota Secretary of State.

* Created by the 1889 State Constitution and originally elected for a two-year term. By constitutional amendment, adopted June 30, 1964, the term was increased to four years.

Note: During several historical periods there were various factions under the general label of Republican: NPL--1916-1956; IVA--1920-1932; and ROC--1944-1956.

(D) Democrat

(R) Republican

(Pop) Populist

TABLE 16.06

UNITED STATES SENATORS, NORTH DAKOTA, STATEHOOD - PRESENT*

Senator	Term
Gilbert A. Pierce (R) (1839-1901) Elected 1889; defeated for re-election 1891	1889-1891
Lyman R. Casey (R) (1837-1914) Elected 1889; defeated for re-election 1893	1889-1893
Henry C. Hansbrough (R) (1848-1933) Elected 1891, 1897, 1903; defeated for re-election 1909	1891-1909
William N. Roach (D) (1840-1902) Elected 1893; defeated for re-election 1899	1893-1899
Porter J. McCumber (R) (1858-1933) Elected 1899, 1905, 1911, 1916; defeated for re-election 1922	1899-1923
Martin N. Johnson (R) (1850-1909) Elected 1909; died in office, October 21, 1909	1909-1909
Fountain L. Thompson (D) (1854-1942) Appointed December 7, 1909 to fill vacancy caused by Martin Johnson's death; resigned January 31, 1910	1909-1910
William E. Purcell (D) (1856-1928) Appointed February 1, 1910 to fill vacancy caused by Fountain Thompson's resignation; defeated for re-election 1911	1910-1911
Asle J. Gronna (R) (1858-1922) Elected 1911, 1914; defeated for re-election 1920	1911-1921
Edwin F. Ladd (R) (1859-1925) Elected 1920; died in office, June 25, 1925	1921-1925
Lynn J. Frazier (R) (1874-1947) Elected 1922, 1928, 1934; defeated for re-election 1940	1923-1941
Gerald P. Nye (R) (1892-1971) Appointed November 14, 1925 to fill vacancy caused by Edwin Ladd's death; elected 1926, 1932, 1938; defeated for re-election 1944	1925-1945
William Langer (R) (1886-1959) Elected 1940, 1946, 1952, 1958; died in office, November 8, 1959	1941-1959
John Moses (D) (1885-1945) Elected 1944; died in office March 3, 1945	1945-1945
Milton R. Young (R) (1897-1983) Appointed March 12, 1945 to fill vacancy caused by John Moses' death; elected 1950, 1956, 1962, 1968, 1974	1945-1980

TABLE 16.06--Continued

Senator	Term
C. Norman Brunsdale (R) (1891-1957) Appointed November 19, 1959 to fill vacancy caused by William Langer's death; served until August 7, 1960	1959-1960
Quentin N. Burdick (D) (1908-) Elected June 28, 1960 to complete William Langer's unexpired term; elected 1964, 1970, 1976, 1982	1960-
Mark Andrews (R) (1926-) Elected 1980; defeated for re-election 1986	1981-1986
Kent Conrad (D) (1948-) Elected 1986	1987-

SOURCE: North Dakota Secretary of State.

* Under Article I, Section 3 of the Constitution of the United States, each state is entitled to elect two United States Senators who hold office for a term of six years. However, so that the terms of the state's first Senators would be staggered, one was elected for a period of two years and the other for four years. The Constitution originally provided that Senators were to be elected by the Legislatures of each state. The Seventeenth Amendment to the Constitution, effective May 31, 1913, provided that Senators should be elected by popular vote of the people.

See Note--Table 16.05.

TABLE 16.07

UNITED STATES REPRESENTATIVES, NORTH DAKOTA, STATEHOOD - PRESENT*

Representative	Term
One Representative, Elected At Large	
Henry C. Hansbrough (R) (1848-1933) Elected 1889; didn't seek re-election 1890	1889-1891
Martin N. Johnson (R) (1850-1909) Elected 1890, 1894, 1896; didn't seek re-election 1898	1891-1899
Burleigh F. Spalding (R) (1853-1934) Elected 1898; didn't seek re-election 1900	1899-1901
Thomas F. Marshall (R) (1854-1921) Elected 1900	1901-1903
Two Representatives, Elected At Large	
Thomas F. Marshall (R) (1854-1921) Elected 1902, 1904, 1906; didn't seek re-election 1908	1903-1909
Burleigh F. Spalding (R) (1853-1934) Elected 1902; defeated for renomination 1904	1903-1905
Asle J. Gronna (R) (1858-1922) Elected 1904, 1906, 1908; didn't seek re-eletion 1910	1905-1911
Louis B. Hanna (R) (1861-1948) Elected 1908, 1910; didn't seek re-election 1912	1909-1913
Henry T. Helgesen (R) (1857-1917) Elected 1910	1911-1913
Three Representatives, Elected By District	
District 1	
Henry T. Helgesen (R) (1857-1917) Elected 1912, 1914, 1916; died in office, April 10, 1917	1913-1917
John M. Baer (R) (1886-1970) Elected at July 10, 1917 special election to fill unexpired term of Henry Helgesen; elected 1918; defeated for re-election 1920	1917-1921
Olger B. Burtness (R) (1884-1960) Elected 1920, 1922, 1924, 1928, 1930; defeated for re-election 1932	1921-1933

TABLE 16.07--Continued

Representative	Term
Three Representatives, Elected By District	
District 2	
George M. Young (R) (1870-1932) Elected 1912, 1914, 1916, 1918, 1920, 1922; resigned September 2, 1924	1913-1924
Thomas Hall (R) (1869-1958) Elected November 4, 1924 to fill unexpired term of George Young; elected 1926, 1928, 1930; defeated for re-election 1932	1924-1933
District 3	
Patrick D. Norton (R) (1876-1953) Elected 1912, 1914, 1916; defeated for re-election 1918	1913-1919
James H. Sinclair (R) (1871-1943) Elected 1918, 1920, 1922, 1924, 1926, 1928, 1930	1919-1933
Two Representatives, Elected At Large	
James H. Sinclair (R) (1871-1943) Elected 1932; defeated for re-election 1934	1933-1935
William Lemke (R) (1878-1950) Elected 1932, 1934, 1936, 1938; didn't seek re-election	1933-1941
Usher L. Burdick (R) (1879-1960) Elected 1934, 1936, 1938, 1940 1942; didn't seek re-election	1935-1945
Charles R. Robertson (R) (1889-1951) Elected 1940; defeated for re-election 1942	1941-1943
William Lemke (R) (1878-1950) Elected 1942, 1944, 1946, 1948; died in office, May 30, 1950	1943-1950
Charles R. Robertson (R) (1889-1951) Elected 1944, 1946; defeated for re-election 1948	1945-1949
Usher L. Burdick (R) (1879-1960) Elected 1948, 1950, 1952, 1954, 1956; didn't seek re-election 1958	1949-1959
Fred G. Aandahl (R) (1897-1966) Elected 1950; didn't seek re-election 1952	1951-1953
Otto Krueger (R) (1890-1963) Elected 1952, 1954, 1956; didn't seek re-election 1958	1953-1959
Quentin N. Burdick (D) (1908-) Elected 1958; resigned, August 8, 1960	1959-1960
Don L. Short (R) (1903-1982) Elected 1958, 1960	1959-1963
Hjalmer C. Nygaard (R) (1906-1963) Elected 1960	1961-1963

TABLE 16.07--Continued

Representative	Term
Two Representatives, Elected By District	
East District	
Hjalmer C. Hygaard (R) (1906-1963) Elected 1962; died in office, July 19, 1963	1963-1963
Mark Andrews (R) (1926-) Elected at October 22, 1963 special election to fill unexpired term of Hjalmer Nygaard; elected 1964, 1966, 1968, 1970	1963-1973
West District	
Don L. Short (R) (1903-1982) Elected 1962; defeated for re-election 1964	1963-1965
Rolland Redlin (D) (1920-) Elected 1964; defeated for re-election 1966	1965-1967
Thomas S. Kleppe (R) (1919-) Elected 1966, 1968; didn't seek re-election 1972	1967-1971
Arthur A. Link (D) (1914-) Elected 1970; didn't seek re-election 1972	1971-1973
One Representative, Elected At Large	
Mark Andrews (R) (1926-) Elected 1972, 1974, 1976, 1978; ran for U.S. Senate in 1980	1973-1980
Byron L. Dorgan (D) (1942-) Elected 1980, 1982, 1984, 1986	1981-

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SOURCE: North Dakota Secretary of State.

* Under Article I, Section 2 of the Constitution of the United States, each State shall elect one or more Representative to Congress. The number of Representatives is based upon each State's population in relation to that of the entire nation as enumerated by the Federal discennial census. Thus, North Dakota had one Representative from 1889-1902, two from 1903-1912, three from 1913-1932, two from 1933-1972 and at present one.

See Note--Table 16.05.

(D) Democrat

(R) Republican

TABLE 16.04--Continued

County	LaRouche Independents	Mason Socialist Workers	Mondale Democrat	Reagan Republican	Richards Populist	Serette New Alliance
	Presidential Electors					
	Blomquist Bourgois Murphy	Doll Eades Koenigsman	King Peterson Whitney	McDaniel Schafer Steier	Craig Meier Niska	Neuhart Query Simonson
Adams	17	0	530	1,343	5	0
Barnes	18	0	2,567	4,348	20	7
Benson	17	2	1,599	1,729	5	1
Billings	5	0	133	505	8	0
Bottineau	24	1	1,279	3,356	12	1
Bowman	12	1	562	1,559	6	1
Burke	11	0	543	1,298	14	0
Burleigh	149	26	8,781	19,913	135	18
Cass	89	21	18,054	29,221	40	6
Cavalier	13	3	1,110	2,661	9	1
Dickey	18	1	1,051	2,460	5	3
Divide	39	1	626	1,165	6	0
Dunn	10	1	716	1,583	9	1
Eddy	4	1	796	1,049	1	0
Emmons	24	4	620	1,885	21	2
Foster	13	1	765	1,422	3	2
Golden Valley	17	0	325	964	5	0
Grand Forks	52	19	10,050	15,898	33	6
Grant	19	3	507	1,607	0	0
Griggs	2	1	828	1,254	3	1
Hettinger	17	1	524	1,646	7	1
Kidder	11	1	506	1,240	39	2
LaMoure	15	2	1,086	1,978	7	2
Logan	3	2	401	1,222	41	1
McHenry	19	0	1,283	2,485	10	0

TABLE 16.04--Continued

County	LaRouche Independents Blomquist Bourgois Murphy	Mason Socialist Workers Doll Eades Koenigsman	Mondale Democrat King Peterson Whitney	Reagan Republican McDaniel Schafer Steier	Richards Populist Craig Meier Niska	Serette New Alliance Neuhart Query Simonson
	Candidates					
	Presidential Electors					
McIntosh	12	3	427	2,047	8	2
McKenzie	15	0	974	2,610	9	1
McLean	30	5	2,062	3,673	44	3
Mercer	28	2	1,729	3,765	24	6
Morton	61	16	3,996	7,146	70	8
Mountrail	17	1	1,565	1,959	4	1
Nelson	10	1	1,026	1,445	14	1
Oliver	8	3	419	915	6	1
Pembina	24	2	1,367	2,895	58	0
Pierce	18	4	691	1,883	16	1
Ramsey	34	8	2,304	4,150	16	3
Ransom	11	3	1,222	1,706	5	6
Renville	13	0	592	1,163	4	0
Richland	27	7	3,047	5,980	36	3
Rolette	22	5	2,179	1,479	25	5
Sargent	17	4	1,295	1,385	7	3
Sheridan	6	0	306	1,075	3	0
Sioux	12	1	655	442	3	1
Slope	4	0	174	419	7	1
Stark	63	35	2,759	7,641	63	40
Steele	6	6	781	941	3	0
Stutsman	30	4	3,495	6,591	40	6
Towner	10	0	789	1,242	14	0
Traill	21	4	1,580	3,037	28	6
Walsh	26	10	2,264	4,347	13	6
Ward	75	11	7,336	16,077	57	2
Wells	17	1	1,036	2,426	20	0
Williams	41	17	3,177	8,166	36	2
Total	1,278	239	104,429	200,336	1077	152

SOURCE: North Dakota Secretary of State.
* No party listed for candidate.

TABLE 16.08

MEMBERS OF THE FIFTIETH NORTH DAKOTA LEGISLATIVE ASSEMBLY, 1987

District	Senators	Party	Address	Representatives	Party	Address
1st	Jim Yockim	D	Williston	J. A. Haugen	R	Williston
				Verdine D. Rice	R	Williston
2nd	Bruce Bakewell	R	Fortuna	Jeremy Nelson	D	Crosby
				Olaf Opedahl	D	Tioga
3rd	Jerry Meyer	D	Berthold	Kevin Kolbo	D	Mohall
				Orlin Hanson	R	Sherwood
4th	Stan Wright	R	Stanley	June Y. Enget	D	Powers Lake
				R. L. Solberg	D	Stanley
5th	Larry W. Schoenwald	D	Minot	Dave Koland	R	Minot
				Lynn W. Aas	R	Minot
6th	Mark Adams	R	Bottineau	Beth Smette	R	Newburg
				David O'Connell	R	Lansford
7th	Ben Axtman	D	Rugby	Gene Watne	D	Velva
				Quentin E. Christman	R	Rugby
8th	Layton Freborg	R	Underwood	Bob O'Shea	D	Turtle Lake
				Julie A. Hill	D	Roseglen
9th	Allen Richard	D	Dunseith	Gerry L. Wilkie	D	Rolla
				Patricia DeMers	D	Dunseith
10th	William S. Heigaard	D	Langdon	Eugene Nicholas	R	Cando
				Robert Nowatzki	D	Langdon
11th	F. Kent Vosper	R	Neche	Alice Olson	R	Cavalier
				Rosemarie Myrdal	R	Edinburg
12th	Byron Langley	D	Warwick	Larry A. Klundt	D	Minnewaukan
				William Starke	D	New Rockford
13th	Clayton A. Lodoen	R	West Fargo	Jay Lindgren	R	West Fargo
				Rod Larson	R	Riverside
14th	Bryce Streibel	R	Fessenden	Arthur Melby	R	Harvey
				Charles Linderman	D	Carrington
15th	Floyd Stromme	D	Devils Lake	Charles Mertens	D	Devils Lake
				Gordon Berg	D	Devils Lake
16th	Harvey D. Tallackson	D	Grafton	Harley Kingsbury	R	Grafton
				W. C. Skjerven	D	Park River
17th	Ray Holmberg	R	Grand Forks	Earl Strinden	R	Grand Forks
&				Judy L. DeMers	D	Grand Forks
18th	Jack Ingstad	R	Grand Forks	Tom Kuchera	R	Grand Forks
				Grant Shaft	R	Grand Forks
19th	Duane Mutch	R	Larimore	Dagne B. Olsen	R	Manvel
				Don Shide	R	Larimore

TABLE 16.08--Continued

District	Senators	Party	Address	Representatives	Party	Address
20th	Malcolm S. Tweten	R	Buxton	Curt Almlie	R	Mayville
				David W. Kent	R	Hatton
21st	Herschel Lashkowitz	D	Fargo	John T. Schneider	R	Fargo
				Tish Kelly	D	Fargo
22nd	Gary J. Nelson	R	Casselton	Jack Dalrymple	R	Casselton
				Wesley R. Belter	R	Leonard
23rd	Dan Wogsland	D	Hannaford	Bruce Laughlin	D	Finley
				Odell D. Flaagan	D	Tolna
24th	Earl M. Kelly	R	Valley City	Gereld F. Gerntholz	R	Sanborn
				Vince Olson	R	Valley City
25th	Russell T. Thane	R	Wahpeton	Clark Williams	D	Wahpeton
				Roy Hausauer	R	Bismarck
26th	Jerome Kelsh	D	Fullerton	John Hokana	D	Oakes
				Scott B. Stofferahn	D	Cogswell
27th	James A. Dotzenrod	D	Wyndmere	Adella J. Williams	D	Lidgerwood
				Ralph C. Dotzenrod	D	Wyndmere
28th	Don Moore	R	Forbes	Jim Brokaw	D	Forbes
				Kelly Shockman	D	LaMoure
29th	Art Todd	R	Jamestown	Dale Marks	D	Ypsilanti
				Wade Williams	D	Cleveland
30th	Pete Naaden	R	Braddock	William E. Kretschmar	R	Venturia
				Wilbur Vander Vorst	R	Hague
31st	E. Gene Hilken	D	Wilton	Orville Schindler	R	McClusky
				Theodore A. Lang	R	Sterling
32nd	Bonnie Heinrich	D	Bismarck	Bill Oban	D	Bismarck
				Serenus Hoffner	D	Bismarck
33rd	Joe Keller	D	Beulah	Gary Knell	R	Hazen
				Ronald E. Gunsch	R	Zap
34th	Corliss Mushik	D	Mandan	Archie R. Shaw	R	Mandan
				Dan Ulmer	D	Mandan
35th	Adam Krauter	D	New England	Emil J. Riehl	D	Raleigh
				Ray Meyer	D	Morristown
36th	Dean J. Meyer	D	Watford City	Jack Murphy	R	Killdeer
				Ronald A. Anderson	R	Keene
37th	Jerry Waldera	D	Dickinson	Francis J. Wald	R	Dickinson
				William G. Goetz	R	Dickinson
38th	Ray David	R	Dickinson	Clarence Martin	R	Lefor
				Kenneth Knudson	R	Taylor

TABLE 16.08--Continued

District	Senators	Party	Address	Representatives	Party	Address
39th	Rick Maixner	D	New England	Joseph R. Whalen	R	Bowman
				Kenneth N. Thompson	R	Beach
40th	Chester Reiten	R	Minot	Ben Tollefson	R	Minot
&				Brynhild Haugland	R	Minot
50th	Rolland W. Redlin	D	Minot	Jim Peterson	R	Minot
				Thomas Lautenschlager	D	Minot
41st	Jim Maxson	D	Minot	Janet Wentz	R	Minot
				Kenneth O. Frey	D	Minot
42nd	Wayne Stenehjem	R	Grand Forks	Connie L. Cleveland	R	Grand Forks
				Mike Hamerlik	R	Grand Forks
43rd	R. V. Shea	D	Grand Forks	Jayson Graba	D	Grand Forks
				Moine R. Gates	R	Grand Forks
44th	Curtis N. Peterson	R	Fargo	Kit Scherber	D	Fargo
				Marshall W. Moore	R	Fargo
45th	Donna Nalewaja	R	Fargo	Carolyn C. Nelson	D	Fargo
				Rick Berg	R	Fargo
46th	Jens Tennefos	R	Fargo	John Dorso	R	Fargo
				Steve Gorman	R	Fargo
47th	Evan E. Lips	R	Bismarck	Bill Sorensen	R	Bismarck
				Cathy Rydell	R	Bismarck
48th	David E. Nething	R	Jamestown	Harold N. Trautman	R	Jamestown
				Lyle L. Hanson	D	Jamestown
49th	John M. Olson	R	Bismarck	Alvin Hausauer	R	Bismarck
				Bob Martinson	R	Bismarck
51st	Tim Mathern	D	Fargo	Douglas G. Payne	R	Fargo
				Richard Kloubec	R	Fargo
52nd	Joseph A. Satrom	D	Bismarck	Brent Winkelman	R	Bismarck
				Gerald A. Halmrast	D	Bismarck
53rd	Walter A. Meyer	D	Mandan	Dick Tokach	R	St. Anthony
				Steven W. Tomac	D	St. Anthony

SOURCE: North Dakota Legislative Council.

TABLE 16.09

VOTE CAST FOR NORTH DAKOTA STATE OFFICIALS IN THE 1986 GENERAL ELECTION BY COUNTY

County	Number of Precincts	Total Votes Cast	United States Senator			Representative in Congress		
			Mark Andrews (R)	Kent Conrad (D)	Anna Belle Bourgois (I)	Syver Vinje (R)	Byron L. Dorgan (D)	Gerald W. Kopp (I)
Adams	12	1,946	908	975	30	394	1,510	16
Barnes	40	6,707	3,048	3,301	57	1,604	4,726	53
Benson	15	3,415	1,510	1,850	33	676	2,654	36
Billings	7	726	335	367	12	178	534	7
Bottineau	24	4,402	2,288	1,992	58	1,092	3,167	32
Bowman	14	2,122	1,053	1,004	32	519	1,542	18
Burke	20	1,790	940	797	18	434	1,293	21
Burleigh	45	28,677	14,144	13,323	360	6,755	20,434	312
Cass	62	42,517	20,257	21,418	402	10,405	31,277	301
Cavalier	22	3,470	1,644	1,769	39	648	2,704	32
Dickey	16	3,382	1,645	1,624	43	906	2,298	44
Divide	17	1,845	878	919	23	376	1,407	15
Dunn	16	2,347	1,045	1,227	37	560	1,716	23
Eddy	10	1,814	731	1,045	17	408	1,352	15
Emmons	16	2,895	1,204	1,599	44	617	2,120	67
Foster	20	2,244	1,076	1,155	10	473	1,712	15
Golden Valley	6	1,124	554	524	19	281	807	11
Grand Forks	38	25,081	13,377	10,863	247	6,133	17,896	215
Grant	18	2,162	1,023	1,083	29	476	1,600	47
Griggs	23	2,124	1,001	1,082	15	538	1,542	10
Hettinger	13	2,364	1,068	1,257	28	402	1,917	22
Kidder	13	1,983	912	1,013	22	493	1,421	26
LaMoure	16	3,125	1,344	1,693	18	673	2,338	29
Logan	11	1,822	833	932	30	461	1,282	31
McHenry	36	3,946	1,767	2,077	46	799	2,897	31
McIntosh	15	2,798	1,474	1,226	36	889	1,763	61
McKenzie	23	3,208	1,779	1,339	54	848	2,249	34
McLean	43	5,539	2,645	2,664	61	1,317	3,902	62
Mercer	19	5,023	2,799	2,116	64	1,474	3,438	44
Morton	28	11,097	4,448	6,131	183	1,896	8,562	232

TABLE 16.09--Contined

County	Number of Precincts	Total Votes Cast	United States Senator			Representative in Congress		
			Mark Andrews (R)	Kent Conrad (D)	Anna Belle Bourgois (I)	Syver Vinje (R)	Byron L. Dorgan (D)	Gerald W. Kopp (I)
Mountrail	45	3,400	1,234	2,057	52	531	2,792	25
Nelson	8	2,455	1,059	1,300	26	460	1,883	26
Oliver	7	1,369	636	692	20	263	1,063	17
Pembina	20	4,330	2,237	1,962	43	1,115	3,031	45
Pierce	13	2,775	1,255	1,378	32	623	2,000	32
Ramsey	25	6,130	2,979	2,809	71	1,304	4,463	59
Ransom	13	2,772	1,157	1,527	15	523	2,119	17
Renville	12	1,788	821	936	14	314	1,427	9
Richland	38	8,332	4,022	4,015	88	1,884	6,066	72
Rolette	12	3,915	1,491	2,166	44	411	3,160	48
Sargent	16	2,594	993	1,528	19	550	1,972	17
Sheridan	13	1,438	805	599	12	485	899	14
Sioux	9	1,396	537	831	23	141	1,207	30
Slope	6	625	259	339	16	111	498	6
Stark	15	10,277	4,844	5,138	110	1,978	7,631	230
Steele	24	1,648	670	951	12	295	1,318	6
Stutsman	26	9,759	4,396	4,895	89	2,073	6,922	206
Towner	11	2,082	945	1,090	15	356	1,681	11
Traill	34	4,494	2,271	2,042	37	1,237	3,086	20
Walsh	26	6,370	3,095	3,085	60	1,352	4,713	56
Ward	36	22,213	11,684	9,975	224	4,902	16,744	174
Wells	45	3,452	1,618	1,734	52	849	2,493	34
Williams	46	9,968	5,059	4,518	128	2,507	7,030	98
Total	1,158	295,277	141,797	143,932	3,269	66,989	216,258	3,114

TABLE 16.09--Continued

County	Public Service Commissioner		Justice of the Supreme Court			Commissioner of Labor	
			Regular Term	Unexpired 4 Year Term	Unexpired 2 Year Term		
	Leo M. Reinbold (R)	Jim Kusler (D)	Herman F. "Sparky" Gierke	Herbert L. Meschke	Beryl J. Levine	Orville W. "Ike" Hagen	Byron Knutson
Adams	1,049	770	1,486	1,445	1,417	911	896
Barnes	3,755	2,463	4,093	3,864	3,874	2,262	3,773
Benson	1,415	1,762	2,507	2,459	2,416	1,170	2,087
Billings	358	340	562	579	544	298	372
Bottineau	2,150	1,716	3,130	3,137	3,057	2,031	1,993
Bowman	1,117	899	1,677	1,637	1,585	839	1,068
Burke	783	761	1,206	1,202	1,167	682	882
Burleigh	15,603	10,573	20,032	19,231	18,775	15,387	10,665
Cass	22,006	17,183	33,906	33,710	34,474	15,898	23,019
Cavalier	1,560	1,530	2,330	2,273	2,248	1,306	1,802
Dickey	1,617	1,332	2,510	2,470	2,457	1,160	1,869
Divide	752	831	1,265	1,233	1,208	852	855
Dunn	1,157	1,059	1,768	1,706	1,722	972	1,210
Eddy	765	872	1,334	1,307	1,300	730	944
Emmons	1,624	1,034	1,838	1,755	1,794	1,241	1,372
Foster	1,160	893	1,706	1,705	1,670	780	1,285
Golden Valley	549	487	769	756	750	502	524
Grand Forks	12,060	10,409	15,294	14,485	14,475	9,149	13,290
Grant	1,131	981	1,598	1,586	1,591	951	1,051
Griggs	1,052	908	1,613	1,574	1,577	731	1,223
Hettinger	1,151	1,090	1,798	1,754	1,762	1,005	1,187
Kidder	1,017	770	1,345	1,310	1,310	825	1,018
LaMoure	1,430	1,465	2,141	2,054	1,995	1,009	1,856
Logan	1,001	689	1,290	1,274	1,252	753	895
McHenry	1,892	1,764	2,924	2,981	2,812	1,640	1,946
McIntosh	1,802	806	2,136	2,105	2,118	1,314	1,302
McKenzie	1,563	1,356	2,428	2,199	2,235	1,999	1,034
McLean	2,640	2,298	3,682	3,616	3,363	2,225	2,790
Mercer	2,482	2,375	3,888	3,842	3,847	2,178	2,465
Morton	5,057	5,226	7,594	7,432	7,127	4,614	5,513

TABLE 16.09--Continued

County	Public Service Commissioner		Justice of the Supreme Court			Commissioner of Labor	
			Regular Term	Unexpired 4 Year Term	Unexpired 2 Year Term		
	Leo M. Reinbold (R)	Jim Kusler (D)	Herman F. "Sparky" Gierke	Herbert L. Meschke	Beryl J. Levine	Orville W. "Ike" Hagen	Byron Knutson
Mountrail	1,269	1,767	2,524	2,508	2,449	1,292	1,618
Nelson	1,034	1,114	1,692	1,515	1,472	863	1,310
Oliver	574	751	1,062	1,026	1,018	591	684
Pembina	2,099	1,753	2,927	2,711	2,617	1,776	2,071
Pierce	1,458	1,064	1,594	1,574	1,448	1,113	1,446
Ramsey	2,868	2,605	3,738	3,366	3,455	2,571	3,083
Ransom	1,247	1,223	1,987	1,885	1,868	917	1,619
Renville	787	817	1,263	1,290	1,215	731	879
Richland	4,278	3,176	5,612	5,324	5,205	2,652	4,678
Rolette	1,106	2,086	2,007	1,866	1,843	1,383	1,846
Sargent	1,021	1,363	1,802	1,712	1,654	821	1,550
Sheridan	921	430	1,054	1,064	1,020	747	584
Sioux	544	755	966	942	956	457	797
Slope	290	299	456	433	445	281	278
Stark	4,880	3,892	6,178	6,089	6,051	4,076	4,431
Steele	675	828	1,234	1,200	1,204	507	1,011
Stutsman	4,660	3,939	6,638	6,370	6,244	2,644	5,788
Towner	909	958	1,433	1,418	1,401	856	1,043
Traill	2,408	1,664	2,896	2,754	2,799	1,530	2,594
Walsh	2,898	2,642	4,208	3,927	3,788	2,343	3,372
Ward	10,864	8,752	16,965	17,445	16,582	9,345	10,735
Wells	1,820	1,277	2,442	2,437	2,388	1,440	1,655
Williams	4,579	4,444	6,883	6,411	5,961	4,259	4;562
Total	144,887	122,161	207,431	201,942	199,005	118,603	148,020

TABLE 16.09--Continued

County	Superintendent of Public Instruction		Tax Commissioner		Justice of the Supreme Court	
	Larry Nudell	Wayne W. Sanstead	Kent Conrad	Scott Hove	Regular Term Gerald W. Vandewalle	Unexpired Term Herman F. "Sparky" Gierke
Adams	311	1,502	1,501	332	1,424	1,406
Barnes	1,613	4,862	5,527	1,114	4,810	4,621
Benson	995	2,232	2,482	713	2,433	2,400
Billings	129	475	506	130	505	487
Bottineau	1,139	3,354	3,611	839	3,733	3,405
Bowman	627	1,483	1,638	390	1,699	1,681
Burke	402	1,397	1,364	383	1,426	1,334
Burleigh	5,042	21,359	22,390	5,253	21,470	19,827
Cass	8,405	34,351	34,125	9,783	34,700	34,354
Cavalier	964	2,529	2,617	916	2,493	2,459
Dickey	772	2,329	2,489	618	2,606	2,561
Divide	275	1,478	1,456	291	1,566	1,337
Dunn	477	1,864	1,904	440	1,772	1,795
Eddy	515	1,284	1,335	479	1,411	1,396
Emmons	603	1,941	2,101	494	1,967	1,880
Foster	954	1,121	1,685	353	1,644	1,615
Golden Valley	279	902	957	254	889	873
Grand Forks	4,735	18,641	19,143	4,594	17,438	17,036
Grant	444	1,686	1,850	318	1,577	1,490
Griggs	416	1,560	1,582	381	1,584	1,574
Hettinger	399	1,716	1,836	312	1,598	1,578
Kidder	763	1,030	1,495	311	1,292	1,190
LaMoure	873	1,961	2,419	517	2,087	1,871
Logan	455	1,202	1,418	327	1,299	1,259
McHenry	1,374	2,413	2,966	741	2,868	2,776
McIntosh	761	1,751	2,036	519	2,060	1,861
McKenzie	835	2,588	2,673	752	2,674	2,797
McLean	1,709	3,855	4,412	1,041	3,793	3,545
Mercer	1,039	4,143	4,390	861	4,107	4,045
Morton	2,005	8,742	9,531	1,730	8,102	7,406

TABLE 16.09--Continued

County	Superintendent of Public Instruction		Tax Commissioner		Justice of the Supreme Court	
	Larry Nudell	Wayne W. Sanstead	Kent Conrad	Scott Hove	Regular Term Gerald W. Vandewalle	Unexpired Term Herman F. "Sparky" Gierke
Mountrail	645	2,841	2,697	717	2,583	2,604
Nelson	495	1,864	1,941	431	1,601	1,647
Oliver	226	1,113	1,123	223	1,029	989
Pembina	910	3,017	2,810	1,226	2,908	2,711
Pierce	855	1,784	2,029	586	1,618	1,547
Ramsey	1,163	5,085	4,827	1,484	4,336	4,046
Ransom	533	2,208	2,290	515	2,237	2,090
Renville	409	1,331	1,429	260	1,298	1,266
Richland	1,354	6,596	6,988	1,449	6,417	5,966
Rolette	619	2,824	2,954	485	2,077	2,053
Sargent	600	1,878	2,063	497	1,884	1,784
Sheridan	589	801	1,089	285	1,053	1,016
Sioux	194	858	917	154	818	770
Slope	108	459	486	92	421	419
Stark	1,612	6,823	7,360	1,605	6,165	5,901
Steele	396	1,282	1,381	315	1,325	1,325
Stutsman	1,800	7,694	7,914	1,805	7,021	6,634
Towner	381	1,543	1,516	425	1,361	1,336
Traill	1,073	3,423	3,590	945	3,248	3,114
Walsh	1,098	4,992	3,147	3,395	4,257	4,149
Ward	4,759	17,960	18,099	4,108	16,569	16,367
Wells	2,068	1,421	2,583	790	2,519	2,466
Williams	2,113	8,276	8,003	2,526	7,429	7,735
Total	63,310	221,824	230,675	59,504	217,201	209,794

SOURCE: North Dakota Secretary of State

TABLE 16.10

VOTE CAST FOR NORTH DAKOTA STATE OFFICIALS IN THE 1984 GENERAL ELECTION BY COUNTY

	Representative in Congress		Governor and Lieutenant Governor		Secretary of State		
County	Lois Ivers Altenburg (R)	Byron L. Dorgan (D)	Allen Olson & Ernest M. Sands (R)	George A. Sinner & Ruth Meiers (D)	Claire Edwin Blomquist (I)	Byron Knutson (D)	Ben Meier (R)
Adams	384	1,464	1,047	893	60	759	1,081
Barnes	1,605	5,444	3,028	4,142	171	3,635	3,148
Benson	600	2,769	1,333	2,159	79	2,115	1,253
Billings	165	486	337	319	31	261	357
Bottineau	1,102	3,564	2,450	2,339	99	2,016	2,498
Bowman	522	1,565	1,233	938	62	904	1,142
Burke	370	1,455	1,029	883	63	771	981
Burleigh	5,980	23,761	12,742	17,119	954	9,780	18,364
Cass	11,008	36,678	21,404	26,535	1,289	22,529	22,617
Cavalier	656	3,138	1,874	2,056	96	1,891	1,749
Dickey	1,002	2,410	2,035	1,528	86	1,489	1,867
Divide	289	1,537	928	966	39	918	862
Dunn	517	1,852	1,032	1,362	69	1,097	1,211
Eddy	393	1,480	766	1,175	53	1,040	807
Emmons	508	2,140	1,162	1,647	81	995	1,664
Foster	454	1,704	978	1,289	62	1,078	1,066
Golden Valley	317	987	627	705	27	534	703
Grand Forks	5,707	20,126	10,809	15,585	878	11,926	12,339
Grant	395	1,758	1,097	1,150	57	745	1,401
Griggs	477	1,607	967	1,191	45	1,142	909
Hettinger	346	1,853	1,150	1,117	51	863	1,283
Kidder	377	1,435	803	1,105	56	772	1,040
LaMoure	730	2,408	1,457	1,712	99	1,515	1,491
Logan	432	1,317	895	952	29	496	1,317
McHenry	700	3,099	1,732	2,199	88	1,878	1,870
McIntosh	834	1,731	1,629	1,032	70	738	1,840
McKenzie	883	2,721	1,890	1,775	104	1,514	1,949
McLean	1,253	4,673	2,656	3,429	146	2,796	2,903
Mercer	1,275	4,187	2,667	2,990	137	2,457	2,952
Morton	1,814	9,822	4,038	7,667	353	4,807	6,146

TABLE 16.10--Continued

County	Representative in Congress		Governor and Lieutenant Governor		Secretary of State		
	Lois Ivers Altenburg (R)	Byron L. Dorgan (D)	Allen Olson & Ernest M. Sands (R)	George A. Sinner & Ruth Meiers (D)	Claire Edwin Blomquist (I)	Byron Knutson (D)	Ben Meier (R)
Mountrail	482	3,073	1,344	2,258	105	2,036	1,388
Nelson	420	2,103	965	1,590	104	1,375	994
Oliver	222	1,123	584	788	36	622	703
Pembina	1,170	3,216	2,061	2,356	155	1,882	2,201
Pierce	592	2,123	1,388	1,402	63	1,144	1,490
Ramsey	1,513	5,164	2,799	3,981	431	3,232	2,925
Ransom	584	2,422	1,278	1,772	61	1,676	1,218
Renville	306	1,455	913	920	41	847	865
Richland	1,790	7,234	4,291	4,939	226	4,534	4,094
Rolette	406	3,431	1,235	2,676	97	2,476	1,049
Sargent	536	2,214	1,039	1,745	53	1,669	1,011
Sheridan	387	992	834	614	30	484	924
Sioux	135	940	375	783	40	679	398
Slope	115	487	320	297	11	272	328
Stark	1,983	7,976	4,890	5,235	373	4,135	4,944
Steele	273	1,462	696	1,097	49	1,038	655
Stutsman	2,125	8,207	4,385	6,172	348	4,965	4,887
Towner	348	1,705	918	1,216	66	1,050	928
Traill	1,122	3,641	2,266	2,609	103	2,221	2,385
Walsh	1,265	5,368	2,760	4,068	199	3,438	2,917
Ward	4,971	18,558	11,632	11,964	581	10,611	11,702
Wells	809	2,668	1,721	1,878	74	1,589	1,825
Williams	3,112	8,235	5,971	5,603	354	4,755	6,024
Total	65,761	242,968	140,460	173,922	9,034	140,191	154,665

TABLE 16.10--Continued

County	State Auditor		State Treasurer		Attorney General	
	N.K. "Heidi" Heitkamp (D)	Robert "Bob" Peterson (R)	Bob Hanson (D)	John Steven Lesmeister (R)	Nicholas "Nick" Spaeth (D)	Robert Wefald (R)
Adams	813	1,059	738	1,130	1,117	779
Barnes	3,279	3,643	3,735	3,136	4,717	2,342
Benson	1,855	1,519	2,020	1,315	2,327	1,117
Billings	264	373	294	346	437	226
Bottineau	1,827	2,745	1,958	2,554	2,673	1,995
Bowman	821	1,250	942	1,157	1,367	752
Burke	784	1,023	782	975	1,081	755
Burleigh	12,144	16,362	13,467	15,012	21,044	8,606
Cass	22,051	24,070	23,244	21,887	30,756	16,242
Cavalier	1,683	1,959	1,913	1,626	2,519	1,275
Dickey	1,372	2,031	1,546	1,797	1,722	1,723
Divide	804	996	878	886	1,108	714
Dunn	1,039	1,301	1,067	1,300	1,619	761
Eddy	1,004	877	1,086	783	1,289	614
Emmons	989	1,647	1,109	1,525	1,688	1,040
Foster	1,008	1,163	1,135	1,010	1,451	768
Golden Valley	489	768	530	709	818	473
Grand Forks	12,053	12,730	13,355	11,131	17,155	8,538
Grant	723	1,396	917	1,243	1,338	875
Griggs	1,007	1,073	1,166	899	1,305	807
Hettinger	847	1,336	984	1,171	1,478	743
Kidder	736	1,056	918	900	1,156	698
LaMoure	1,400	1,645	1,610	1,418	1,897	1,186
Logan	595	1,133	722	1,012	943	837
McHenry	1,815	1,973	1,780	1,977	2,538	1,338
McIntosh	697	1,876	774	1,796	1,050	1,566
McKenzie	1,306	2,256	1,519	1,977	2,191	1,397
McLean	2,782	3,001	3,027	2,810	3,826	2,197
Mercer	2,531	2,958	2,602	2,881	3,370	2,185
Morton	5,517	5,478	6,144	4,868	8,395	3,272

TABLE 16.10--Continued

County	State Auditor M.K. "Heidi" Heitkamp (D)	State Auditor Robert "Bob" Peterson (R)	State Treasurer Bob Hanson (D)	State Treasurer John Steven Lesmeister (R)	Attorney General Nicholas "Nick" Spaeth (D)	Attorney General Robert Wefald (R)
Mountrail	2,008	1,495	1,982	1,486	2,624	940
Nelson	1,252	1,212	1,410	974	1,730	779
Oliver	625	721	688	650	911	451
Pembina	1,803	2,377	2,118	1,971	2,714	1,568
Pierce	1,092	1,539	1,131	1,547	1,676	1,054
Ramsey	2,977	3,492	3,510	2,925	4,301	2,314
Ransom	1,478	1,476	1,634	1,266	2,046	944
Renville	806	942	888	825	1,110	668
Richland	4,842	4,175	4,480	4,092	5,445	3,509
Rolette	2,405	1,200	2,548	1,045	2811	922
Sargent	1,516	1,177	1,654	1,003	1863	846
Sheridan	476	922	491	910	707	714
Sioux	701	412	766	340	825	308
Slope	271	319	292	299	411	200
Stark	3,730	5,158	3,874	5,158	6,688	3,230
Steele	918	819	1,054	655	1,224	547
Stutsman	4,541	5,407	5,685	4,393	6,752	3,593
Towner	1,015	1,007	1,049	926	1,347	698
Traill	2,000	2,670	2,301	2,342	2,890	1,872
Walsh	2,896	3,457	3,477	2,748	4987	1,649
Ward	10,404	12,293	10,163	12,327	14,887	8,313
Wells	1,462	1,961	1,510	1,901	2,030	1,468
Williams	4,117	6,986	5,002	5,823	6,377	4,763
Total	137,570	161,908	149,689	146,837	200,731	107,191

TABLE 16.10--Continued

County	Commissioner of Insurance			Commissioner of Agriculture		Public Service Commissioner	
	Diane Alm (R)	Jan Gerhart-Shelver (I)	Earl Pomeroy (D)	Kent Jones (R)	Bruce W. Larson (D)	S.F. "Buckshot" Hoffner (D)	Dale Sandstrom (R)
Adams	1,009	63	789	1,250	626	688	1,197
Barnes	2,141	126	4,824	4,137	2,805	3,053	3,962
Benson	1,200	180	1,966	1,372	2,073	2,298	1,169
Billings	328	39	279	416	231	237	416
Bottineau	2,129	160	2,276	3,019	1,602	1,680	2,923
Bowman	1,157	85	819	1,412	689	840	1,276
Burke	799	73	907	1,172	647	661	1,164
Burleigh	12,407	999	15,480	18,566	10,021	11,913	17,326
Cass	22,038	1,137	23,090	27,522	18,141	17,505	28,511
Cavalier	1,675	118	1,856	2,377	1,345	1,540	2,171
Dickey	1,571	131	1,712	2,056	1,362	1,268	2,140
Divide	621	58	1,110	1,092	710	753	1,061
Dunn	1,104	115	1,131	1,434	925	977	1,399
Eddy	712	51	1,102	568	1,366	1,153	757
Emmons	1,170	111	1,327	1,783	890	1,051	1,617
Foster	908	66	1,178	1,187	1,001	996	1,209
Golden Valley	642	52	569	848	416	499	788
Grand Forks	11,896	646	12,622	14,975	9,686	10,213	14,878
Grant	1,015	59	1,079	1,496	690	766	1,432
Griggs	895	51	1,153	1,144	963	897	1,193
Hettinger	954	71	1,128	1,516	673	866	1,335
Kidder	796	66	933	1,166	656	746	1,105
LaMoure	1,321	62	1,675	1,797	1,272	1,309	1,791
Logan	831	61	832	1,177	598	634	1,141
McHenry	1,624	128	2,057	2,253	1,571	1,807	2,026
McIntosh	1,479	82	974	1,984	617	630	1,971
McKenzie	1,760	133	1,671	2,380	1,169	1,346	2,231
McLean	2,552	206	3,089	3,514	2,304	2,612	3,356
Mercer	2,557	173	2,741	3,453	2,037	2,230	3,302
Morton	4,070	464	6,715	6,550	4,792	5,475	5,996

TABLE 16.10--Continued

County	Commissioner of Insurance			Commissioner of Agriculture		Public Service Commissioner	
	Diane Alm (R)	Jan Gerhart-Shelver (I)	Earl Pomeroy (D)	Kent Jones (R)	Bruce W. Larson (D)	S.F. "Buckshot" Hoffner (D)	Dale Sandstrom (R)
Mountrail	1,220	126	2,154	1,756	1,764	1,808	1,731
Nelson	993	120	1,347	1,318	1,188	1,249	1,267
Oliver	556	59	725	853	513	572	787
Pembina	2,131	134	1,933	2,831	1,373	1,728	2,529
Pierce	1,287	184	1,344	1,611	1,076	1,253	1,589
Ramsey	2,645	696	3,126	3,952	2,659	3,561	3,063
Ransom	1,157	128	1,629	1,686	1,250	1,269	1,713
Renville	678	41	1,002	1,063	694	738	1,009
Richland	3,774	272	4,639	5,380	3,397	3,720	5,155
Rolette	944	161	2,521	1,443	2,181	2,324	1,369
Sargent	967	69	1,632	1,405	1,296	1,435	1,292
Sheridan	756	27	632	1,038	385	479	965
Sioux	308	50	757	500	615	659	462
Slope	282	23	285	386	216	238	358
Stark	4,452	535	4,316	6,013	2,966	3,377	5,885
Steele	635	54	1,054	916	833	879	872
Stutsman	4,522	327	5,264	6,081	3,963	4,252	5,939
Towner	885	93	1,024	1,230	831	942	1,113
Traill	2,269	100	2,294	2,947	1,773	1,777	2,943
Walsh	2,741	184	3,459	4,079	2,387	2,947	3,622
Ward	9,936	638	12,322	14,096	8,526	9,356	13,365
Wells	1,689	105	1,621	2,110	1,371	1,650	1,870
Williams	5,075	566	5,378	6,972	3,925	4,389	6,729
Total	133,153	10,378	157,542	183,276	117,088	127,244	176,390

SOURCE: North Dakota Secretary of State.

17.00

LAW ENFORCEMENT, COURTS, AND PRISONS

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TABLE 17.02

NORTH DAKOTA CRIME RATES BY TYPE OF CRIME, SELECTED YEARS, 1950-1985[a]

Year	Violent Crime				
	Murder & Non-negligent Manslaughter[b]	Forcible Rape[c]	Robbery[d]	Aggravated Assaults[e]	Violent Crime Index
1950	---	NA	4.5	3.2	7.7
1960	0.5	2.2	6.3	5.2	14.2
1965	0.9	5.1	4.6	23.6	34.2
1970	0.5	6.2	6.5	21.0	33.7
1975	0.8	5.8	14.3	32.1	53.1
1980	1.2	9.5	7.7	36.0	54.0
1985	1.0	7.3	6.0	32.0	46.0

Year	Property Crime				
	Burglary-Breaking or Entering[f]	Larceny-Theft[g]	Auto Theft[h]	Property Crime Index	Total Crime Index
1950	272.9	927.1	101.2	1,301.2	1,308.9
1960	198.0	92.5	68.0	358.5	372.7
1965	206.8	183.9	76.8	467.5	501.7
1970	286.4	434.6	91.0	812.0	845.7
1975	539.2	1,614.3	130.6	2,284.1	2,337.2
1980	488.0	2,242.0	179.0	2,909.7	2,963.7
1985	427.0	2,087.0	118.0	2,632.0	2,678.0

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years, and FBI Uniform Crime Report.

[a] Offenses known to police per 100,000 population, crimes constituting "FBI Crime Index" only.

[b] All willful felonious homicides. Excludes attempts to kill, assaults to kill, suicides, accidental deaths, justifiable homicides, and deaths caused by negligence.

[c] Limited to forcible rapes and attempts.

[d] Includes the stealing or taking of anything of value by force or violence or by threat of force or violence; includes attempted robbery.

[e] Includes assault with intent to kill. Excludes simple assault, assault and battery, fighting, etc.

[f] Includes any unlawful entry to commit a felony or theft. Includes attempted burglary and burglary followed by theft.

[g] Includes theft of property or articles of value (except auto theft) without the use of force and violence or fraud. Includes offenses $50 and over prior to 1973 and all offenses (regardless of value) thereafter.

[h] Includes all cases where motor vehicles are driven away and abandoned. Excludes those taken for temporary use when actually returned by taker.

TABLE 17.03

OFFENSES CLEARED BY ARREST OR EXCEPTIONAL MEANS, NORTH DAKOTA, 1985
(For-Crimes Constituting "FBI Crime Index" only)

Type of Offense	# of Offenses Reported	# of Offenses Reported	Percent Cleared	Percent Cleared Involving Juveniles
Murder & Non-negligent Manslaughter	9	8	55%	0%
Forcible Rape	51	35	69	9
Rape by Force	39	24	62	9
Assault to Rape (Attempts)	12	11	92	0
Robbery	43	13	30	15
Firearm	15	5	33	20
Knife or Cutting Instrument	4	1	25	0
Other Dangerous Weapon	4	3	75	0
Hands, Fists, Feet, etc.	20	4	20	25
Aggravated Assault	221	146	66	14
Firearm	7	10	143	40
Knife or Cutting Instrument	33	18	54	33
Other Dangerous Weapon	18	13	72	38
Hands, Fists, Feet, etc.	163	105	64	6
Burglary	2,889	501	17	22
Forcible Entry	1,916	372	19	19
Unlawful Entry - No Force	696	104	15	27
Attempted Forcible Entry	277	25	9	40
Larceny/Theft	14,144	3,533	25	33
Motor Vehicle Theft	802	369	46	26
Autos	419	220	52	26
Trucks and Buses	165	79	48	20
Other Vehicles	218	70	32	33
Grand Total	18,159	4,605	25	17

SOURCE: North Dakota Attorney General, Crime in North Dakota, 1985, 1986.

TABLE 17.04

VALUE OF PROPERTY STOLEN BY TYPE OF OFFENSE, NORTH DAKOTA, 1985

Offense	Number of Offenses	Dollar Value Stolen	Average Value Per Offense
Murder & Non-negligent Manslaughter	9	$200	$25
Forcible Rape	51	0	0
Robbery			
Highway	18	1,677	93
Commercial House	3	315	105
Gas or Service Station	3	1,275	425
Chain Store	3	178	59
Residence	5	415	83
Bank	1	13,167	13,167
Miscellaneous	10	1,565	157
Total Robbery	43	18,592	432
Burglary			
Residence			
Night	687	266,318	388
Day	223	72,418	325
Unknown	618	375,848	608
Non-Residence			
Night	861	445,717	518
Day	100	19,203	192
Unknown	401	135,038	337
Total Burglary	2,890	1,314,542	455
Larceny-Theft			
Pocket-picking	7	1,423	203
Purse-snatching	34	6,413	189
Shoplifting	2,128	88,275	41
From Motor Vehicles	2,477	697,979	282
Motor Parts & Accessories	2,173	512,034	236
Bicycles	2,013	249,786	124
From Buildings	2,188	875,137	400
From Coin-operated Machines	136	19,797	146
All Other	2,998	1,443,080	481
Total Larceny-Theft	14,154	3,893,924	275
Motor Vehicle Theft	802	2,874,943	3,589
Grand Total*	17,949	8,102,201	451

SOURCE: North Dakota Attorney General, Crime in North Dakota, 1985, 1986.

* In some categories, not all reported incidents are included due to missing data, therefore numbers of offenses may not agree with totals seen in other tables.

TABLE 17.05

VALUE OF PROPERTY STOLEN BY TYPE OF PROPERTY, NORTH DAKOTA, 1985

Type of Property	$ Value of Stolen Property	$ Value of Recovered Property	Percent Recovered
Currency, Notes	$632,964	$109,240	17%
Jewelry & Precious Metals	331,513	55,350	17
Clothing & Furs	114,964	31,826	28
Locally Stolen Autos	2,888,506	2,557,098	89
Office Equipment	97,551	39,481	40
TV's, Radios, & Cameras	851,228	97,051	11
Firearms	142,677	27,019	19
Household Goods	234,952	22,791	10
Consumable Goods	104,722	18,107	17
Livestock	101,326	13,990	14
Miscellaneous	2,615,205	714,793	27
GRAND TOTAL	8,116,002*	3,686,746	45

SOURCE: North Dakota Uniform Crime Reporting Program.

* Differences in this figure and values found on table labeled Value of Property Stolen are due to errors made by some agencies in recording the information. Errors of this nature are estimated to alter the value of property data by less than 1 percent.

TABLE 17.06

CRIME RATES BY NORTH DAKOTA COUNTY, 1980 & 1985

County	Crime Rate		Rank	
	1980	1985	1980	1985
Adams	7.57	6.46	42	40
Barnes	15.61	11.04	20	18
Benson	7.09	12.49	44	9
Billings	20.00	11.71	16	13
Bottineau	17.94	10.29	18	21
Bowman	27.14	12.24	13	11
Burke	5.53	6.52	47	39
Burleigh	47.96	14.69	1	5
Cass	47.40	10.04	2	23
Cavalier	20.79	14.17	15	6
Dickey	11.94	12.67	29	8
Divide	8.57	9.94	40	24
Dunn	11.30	18.86	31	2
Eddy	22.22	12.79	14	7
Emmons	10.69	8.34	34	33
Foster	10.65	6.34	35	41
Golden Valley	40.00	10.63	6	19
Grand Forks	38.82	5.07	7	46
Grant	12.09	8.07	28	34
Griggs	5.95	NA	46	52
Hettinger	3.49	2.66	50	48
Kidder	11.03	11.67	32	15
LaMoure	5.23	1.26	49	51
Logan	6.86	2.62	45	49
McHenry	3.42	5.29	51	45
McIntosh	10.42	8.42	36	32
McKenzie	35.92	11.69	9	14
McLean	18.79	16.01	17	4
Mercer	9.04	7.68	38	37
Morton	33.72	9.41	10	28

TABLE 17.06--Continued

County	Crime Rate 1980	Crime Rate 1985	Rank 1980	Rank 1985
Mountrail	13.25	8.75	24	29
Nelson	9.23	9.84	37	25
Oliver	12.80	8.45	26	31
Pembina	15.48	9.68	21	27
Pierce	7.26	8.72	43	30
Ramsey	43.46	16.59	5	3
Ransom	14.18	5.98	22	43
Renville	7.78	6.06	41	42
Richland	28.96	9.70	12	26
Rolette	13.12	11.58	25	16
Sargent	10.73	12.22	33	22
Sheridan	8.93	8.02	39	36
Sioux	5.28	NA	48	53
Slope	2.50	3.29	52	47
Stark	46.46	8.04	4	35
Steele	0.65	1.33	53	50
Stutsman	47.27	10.46	3	20
Towner	11.50	5.80	30	44
Traill	12.19	11.90	27	12
Walsh	17.40	12.31	19	10
Ward	31.94	7.38	11	38
Wells	13.86	11.54	23	17
Williams	37.94	22.52	8	1
Statewide Average	30.18	9.55	--	--

SOURCE: North Dakota Uniform Crime Reporting Program.

* Crime rate is shown per 1,000 population. National data is given per 100,000. Move decimal 2 places to the right to compare these figures to national data.

TABLE 16.11

COMPOSITION OF ALL STATE LEGISLATURES, NORTH DAKOTA AND THE LEGISLATURES OF SELECTED STATES BY POLITICAL PARTY AFFILIATIONS, 1978-1984

	Lower House							
State	1978		1980		1982		1984	
	(D)	(R)	(D)	(R)	(D)	(R)	(D)	(R)
All State Legislatures	3,454	2,027	3,289	2,190	3,429	2,006	3,136	2,316
North Dakota	29	71	27	73	55	51	42	64
South Dakota	22	48	21	49	16	54	13	57
Montana	55	45	43	57	55	45	50	50
Nebraska	*	*	*	*	*	*	*	*
Minnesota	67	67	70	64	77	57	65	69
Wyoming	20	42	23	39	25	38	18	46
	Upper House							
All State Legislatures	1,260	669	1,182	742	1,210	725	1,187	753
North Dakota	15	35	10	40	21	32	24	29
South Dakota	11	24	10	25	9	26	10	25
Montana	26	24	21	29	24	26	28	22
Nebraska	*	*	*	*	*	*	*	*
Minnesota	47	20	45	22	42	25	42	24
Wyoming	11	19	11	19	11	19	11	19

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1986. The Council of State Governments, Lexington, KY, Book of the States, and its Supplement I, both biennial.

* Nebraska has a unicameral legislature elected without party designation.

TABLE 17.01

CRIME RATE BY TYPE: THE UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, 1980* and 1985

State	Violent Crime: Murder & Non-negligent Manslaughter 1980	Murder & Non-negligent Manslaughter 1985	Forcible Rape 1980	Forcible Rape 1985	Robbery 1980	Robbery 1985	Aggravated Assault 1980	Aggravated Assault 1985
United States	9.7	7.9	34.5	36.6	212.1	209.0	279.1	303.0
NORTH DAKOTA	1.2	1.0	9.5	7.3	7.7	6.0	35.6	32.0
South Dakota	0.7	18.0	12.5	23.7	20.1	17.0	93.6	94.0
Montana	4.0	5.8	21.0	19.2	34.0	21.0	163.6	162.0
Nebraska	4.4	2.9	23.2	23.4	82.2	49.0	114.7	163.0
Minnesota	2.6	2.1	23.2	29.6	99.1	86.0	102.9	139.0
Iowa	2.2	1.9	14.3	12.6	54.9	41.0	129.0	156.0
Kansas	6.9	4.9	31.5	29.3	113.1	79.0	237.8	243.0
Missouri	11.1	8.1	32.6	29.2	223.6	148.0	287.2	319.0

State	Property Crime: Burglary / Breaking/Ent. 1980	Burglary / Breaking/Ent. 1985	Larceny/Theft 1980	Larceny/Theft 1985	Auto Theft 1980	Auto Theft 1985	Total Crime Index 1980	Total Crime Index 1985	State Rank** 1980	State Rank** 1985
United States	1,499	1,237	2,988	2,901	498	462	5,950.0	5,207.0	--	--
NORTH DAKOTA	488	427	2,242	2,087	179	118	2,963.7	2,679.4	48	50
South Dakota	692	546	2,255	1,856	168	102	3,243.2	2,640.8	48	51
Montana	950	827	3,529	3,238	321	275	5,024.5	4,549.3	29	27
Nebraska	915	730	2,921	2,570	243	156	4,305.2	3,694.6	43	42
Minnesota	1,246	1,017	3,029	2,598	295	262	4,799.5	4,134.2	34	32
Iowa	1,079	914	3,219	2,664	247	153	4,746.7	3,942.9	37	36
Kansas	1,521	1,051	3,196	2,752	271	216	5,378.8	4,375.1	26	28
Missouri	1,668	1,099	2,795	2,399	414	365	5,433.1	4,366.0	24	29

SOURCE: U.S. Dept. of Justice, Federal Bureau of Investigation, Uniform Crime Reports for the United States, 1981, and Statistical Abstract of the United States, 1987.

* Crimes known to the police per 100,000 population. The seven crimes included herein constitute what is termed the "FBI Crime Index." See following table for definition of crimes.

** Determined by ranking total crime indices for all 50 states.

TABLE 17.08

RANK ORDER OF NORTH DAKOTA'S LARGEST CITIES BASED UPON INDICES OF CRIME, 1985

(Crime constituting "FBI Crime Index" only)

City	Rank with Respect to Indices of					
	Violent Crime		Property Crime		Total Crime	
	Rank	Rate*	Rank	Rate*	Rank	Rate*
Fargo	5	0.78	2	59.71	1	60.43
Bismarck	6	0.77	4	54.27	3	55.04
Grand Forks	2	1.06	3	59.19	2	60.19
Minot	10	0.32	1	63.99	6	47.72
Jamestown	12	0.30	9	32.95	10	33.25
Dickinson	3	0.98	8	33.04	9	34.02
Mandan	4	0.86	11	26.70	13	27.56
Williston	7	0.71	5	51.42	5	52.12
West Fargo	8	0.62	12	25.61	14	26.24
Wahpeton	13	0.10	7	35.77	8	38.57
Valley City	9	0.51	14	13.66	19	14.16
Devils Lake	1	1.98	6	50.93	4	52.91
Grafton	11	0.37	10	31.14	11	31.50
Rugby	14	---	15	12.81	20	12.81
Carrington	14	---	13	15.66	18	15.66

SOURCE: North Dakota Attorney General, Crime in North Dakota, 1985, 1986.

* Crime rate per 1,000 population

TABLE 17.10

INMATES RECEIVED FROM COURTS AND AVERAGE DAILY INMATE POPULATION, NORTH DAKOTA STATE PENITENTIARY, 1965-1985*

Year	Inmates Received from Courts	Average Daily Inmate Population
1965	139	219
1966	108	199
1967	88	194
1968	88	158
1969	91	150
1970	85	155
1971	76	113
1972	125	126
1973	128	145
1974	123	134
1975	139	140
1976	154	185
1977	156	218
1978	141	231
1979	152	205
1980	198	231
1981	211	261
1982	260	303
1983	318	352
1984	244	381
1985	117	397

SOURCE: North Dakota State Penitentiary, Biannual Report, July 1, 1983 to June 30, 1985.

* 1985 data is through June 30.

TABLE 17.11

POPULATION MOVEMENT OF INMATES AT THE NORTH DAKOTA STATE PENITENTIARY, 1984 AND 1985

	Number of Inmates			
	Ending 6/30/84		Ending 6/30/85	
	Male	Female	Male	Female
Inmates Received				
Received from Courts	262	15	231	5
Received as Parole Violators	13	0	4	0
Received on Revocation of Probation	9	0	15	1
Escapees Returned	0	0	0	0
Transfers from Other Jurisdictions	9	1	22	0
Returned from Appeal Bond	1	0	0	0
Total	294	16	275	6
Inmates Released				
Discharged by Expiration	40	3	52	1
Probation	48	4	60	0
Paroled	152	3	145	7
Transfers to Other Jurisdictions	4	0	7	0
Deceased	0	0	1	0
Other Releases	14	0	8	0
Escaped	1	0	1	0
Total	259	10	274	8

SOURCE: North Dakota State Penitentiary, Biannual Report, July 1, 1979 to June 30, 1981.

TABLE 17.12

NORTH DAKOTA COUNTY AND CITY JAIL STATISTICS, 1987

County Jails	Total Incarcerations	Average Daily Population	Jail Capacity
Adams	24	0.06	9
Barnes	378	4.53	28
Benson	No Operating Jail		
Billings	No Operating Jail		
Bottineau	152	2.46	9
Bowman	No Operating Jail		
Burke	NR	0.00	4
Burleigh	978	15.41	21
Cass	4,222	55.91	80
Cavalier	69	0.36	9
Dickey	62	0.03	4
Divide	32	0.03	3
Dunn	No Operating Jail		
Eddy	5	0.01	5
Emmons	6	0.01	4
Foster	NR	0.00	9
Golden Valley	22	0.02	4
Grand Forks	2,872	29.47	62
Grant	4	0.02	6
Griggs	No Operating Jail		
Hettinger	16	0.05	4
Kidder	No Operating Jail		
LaMoure	No Operating Jail		
Logan	7	0.01	3
McHenry	No Operating Jail		
McIntosh	11	0.02	3
McKenzie	167	1.58	21
McLean	92	1.79	14
Mercer	313	3.07	18
Morton	714	5.30	19
Mountrail	142	1.05	10
Nelson	No Operating Jail		
Oliver	NR	0.00	3
Pembina	234	1.50	12
Pierce	85	1.43	9

TABLE 17.12--Continued

County Jails	Total Incarcerations	Average Daily Population	Jail Capacity
Ramsey*	1,806	17.94	41
Ransom	60	0.37	4
Renville	NR	0.00	6
Richland	707	12.19	23
Rolette	425	4.27	26
Sargent	NR	0.00	4
Sheridan	3	0.01	4
Sioux	No Operating Jail		
Slope	No Operating Jail		
Stark+	963	11.21	62
Steele	No Operating Jail		
Stutsman	533	4.81	6
Towner	No Operating Jail		
Traill	153	2.55	12
Walsh	432	3.70	14
Ward	1,734	24.35	86
Wells	No Operating Jail		
Williams	1,144	18.54	38
Statewide Total	19,241	228.54	
Juvenile Detention Center			
Cass	270	2.99	12
Grand Forks	163	0.95	4

SOURCE: Office of the Attorney General, Criminal Justice Training & Statistics Division, North Dakota Jail Information System, Preliminary Report, 1987 and unpublished data.

* Lake Region Correction Center.

+ Southwest Multi-County Correctional Center 1987.

TABLE 17.07

CRIMES AND CRIME RATES BY TYPE, NORTH DAKOTA'S LARGEST CITIES, 1981
(Crimes constituting "FBI Crime Index" only)

City	Violent Crime							
	Murder & Non-negligent Manslaughter		Forcible Rape		Robbery		Aggravated Assault	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Fargo	2	0.032	4	0.063	13	0.204	31	0.486
Bismarck	1	0.021	5	0.107	11	0.235	19	0.406
Grand Forks	--	---	4	0.170	5	0.143	26	0.742
Minot	--	---	2	0.059	4	0.117	7	0.205
Jamestown	--	---	2	0.121	2	0.121	1	0.060
Dickinson	--	---	1	0.052	--	---	18	0.932
Mandan	--	---	--	---	--	---	14	0.856
Williston	--	---	7	0.412	--	---	5	0.294
West Fargo	--	---	3	0.267	2	0.178	2	0.178
Wahpeton	--	---	--	---	--	---	1	0.103
Valley City	--	---	2	0.253	--	---	2	0.253
Devils Lake	--	---	2	0.265	--	---	13	1.720
Grafton	--	---	--	---	--	---	2	0.368
Rugby	--	---	--	---	--	---	--	---
Carrington	--	---	--	---	--	---	--	---
15 City Total	3	0.003	32	0.118	37	0.066	141	0.44
N.D. Total	7	0.001	51	0.074	43	0.063	221	0.322
15 Cities as % of N.D.	42.8%	---	62.7%	---	86.0%	---	63.8%	---

TABLE 17.07--Continued

City	Property Crime							
	Burglary		Larceny-Theft		Motor Vehicle Theft		Total Crimes	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Fargo	555	8.70	3,109	48.74	142	2.27	3,855	60.43
Bismarck	387	8.27	2,045	43.69	108	2.31	2,576	55.04
Grand Forks	316	9.02	1,674	47.80	83	2.37	2,108	60.19
Minot	189	5.55	1,361	39.95	63	18.49	1,626	47.72
Jamestown	103	6.23	415	25.09	27	1.63	550	33.25
Dickinson	123	6.37	490	25.37	25	1.30	657	34.02
Mandan	39	2.38	376	22.98	22	1.34	451	27.56
Williston	84	4.95	733	43.17	56	3.30	885	52.12
West Fargo	60	5.34	213	18.94	15	1.33	295	26.24
Wahpeton	62	6.39	279	28.76	6	0.62	348	35.87
Valley City	12	1.52	94	11.89	2	0.25	112	14.16
Devils Lake	68	9.00	300	39.68	17	2.25	400	52.91
Grafton	7	1.29	153	28.19	9	1.66	171	31.50
Rugby	--	---	43	12.81	--	---	43	12.81
Carrington	6	2.29	31	11.84	4	1.52	41	15.66
15 City Total	2,011	5.15	11,316	29.93	579	2.71	14,118	37.30
N.D. Total	2,889	4.21	14,144	20.62	802	1.17	18,156	26.47
15 Cities as % of N.D.	68.1%	---	79.0%	---	70.4%	---	76.4%	---

SOURCE: North Dakota Attorney General, Crime In North Dakota, 1985, 1986.

* Crime rate per 1,000 population. Number is that reported to law enforcement officials.

TABLE 17.09

PRISONERS IN STATE PRISONS: THE UNITED STATES, NORTH DAKOTA AND SELECTED OTHER STATES, SELECTED YEARS, 1950-1981*

State	1950	1955	1960	1965	1970**	1975	1980	1981	1983
United States	148,989	165,692	189,735	189,855	176,391	216,462	295,363	330,998	223,551
NORTH DAKOTA	235	228	248	208	147	173	185	218	243
South Dakota	451	423	526	571	391	338	609	662	316
Montana	595	529	602	586	260	429	738	828	405
Nebraska	1,147	1,080	1,269	1,151	1,001	1,251	1,402	1,640	844
Minnesota	1,879	1,964	2,059	1,772	1,585	1,685	2,001	2,024	1,954
Iowa	2,084	2,203	2,204	2,178	1,747	1,786	2,479	2,554	839
Kansas	1,959	1,974	2,313	2,791	1,902	1,685	2,494	2,770	1,328
Missouri	3,400	3,966	3,698	3,517	3,413	4,371	5,726	6,489	3,783

SOURCE: U.S. Dept. of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

* Prisoners present at end of year stated. Data does not include prisoners in Federal prisons.

** United States total excludes transfers reflected in state figures.

TABLE 17.13

ESTIMATED STATE AND LOCAL GOVERNMENT POLICE AND CORRECTIONS EMPLOYMENT AND POLICE EXPENDITURES, NORTH DAKOTA, 1967-1985

Year	Employment[a]						Police Expenditures[b] (Million Dollars)		
	Police Protection			Corrections					
	State	Local[c]	Total	State	Local[c]	Total	State	Local[c]	Total
1967	95	NA	NA	170	NA	NA	$1.0	$ NA	$ NA
1968	93	731	824	172	34	206	1.1	4.7	5.8
1969	113	704	817	169	37	206	1.1	5.1	6.2
1970	107	742	849	174	34	208	1.2	5.7	6.9
1971	141	804	945	215	52	267	1.7	7.2	8.9
1972	144	834	978	192	41	233	1.0	8.0	9.0
1973	151	878	1,029	205	54	259	1.0	9.0	10.0
1974	157	875	1,032	247	49	296	2.0	9.0	11.0
1975	153	890	1,043	274	62	336	3.0	10.0	13.0
1976	163	916	1,079	276	92	368	3.0	13.0	16.0
1977	169	972	1,141	290	82	372	5.0	14.0	19.0
1978	192	977	1,169	287	111	398	3.0	15.0	18.0
1979	186	1,000	1,186	259	135	394	3.0	18.0	21.0
1985	196	1,068	1,264	NA	NA	440	NA	NA	69.0

SOURCE: U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States, various years.

[a] Full-time equivalent as of October of stated year.

[b] For fiscal year ending in year stated.

[c] Estimated; subject to substantial sampling variation (see source).

TABLE 17.14

STATE AND FEDERAL JUDGES, NORTH DAKOTA, 1987

U.S. COURT OF APPEALS	Myron H. Bright, U.S. Senior Circuit Judge, Fargo
	Frank J. McGill, U.S. Circuit Judge, Fargo
U.S. DISTRICT COURT	Paul Benson, Chief Judge, Fargo
	Patrick A. Conmy, Judge, Bismarck
	Ronald M. Davies, Senior Judge, Fargo
	Bruce M. Van Sickle, Judge, Bismarck
N.D. SUPREME COURT	Chief Justice Ralph J. Erickstad
	Justice H. F. Gierke
	Justice Beryl J. Levine
	Justice Herbert L. Meschke
	Justice Gerald W. VandeWalle

NORTH DAKOTA DISTRICT JUDGES

EAST CENTRAL DISTRICT	Norman J. Backes,* Fargo
	John O. Garaas, Fargo
	Lawrence A. Leclerc, Fargo
	Michael O. McGuire, Fargo
NORTHEAST CENTRAL DIST.	A.C. Bakken,* Grand Forks
	Joel D. Medd, Grand Forks
	Kirk Smith, Grand Forks
NORTHEAST DISTRICT	Lee A. Christofferson, Devils Lake
	William A. Neumann, Rugby
	James H. O'Keefe,* Grafton
NORTHWEST DISTRICT	Wallace D. Berning,* Minot
	William M. Beede, Williston
	Jon R. Kerian, Minot
	Everett Nels Olson, Minot
	Bert L. Wilson, Jr., Williston
SOUTHCENTRAL DISTRICT	Gerald G. Claser, Bismarck
	Benny A. Graff,* Bismarck
	Larry M. Hatch, Linton
	William F. Hodney, Mandan
	Dennis A. Schneider, Bismarck
SOUTHEAST DISTRICT	Robert L. Eckert,* Wahpeton
	Gordon O. Hoberg, Jamestown
	John T. Paulson, Valley City
SOUTHWEST DISTRICT	Maurice R. Hunke,* Dickinson
	Donald L. Jorgenson, Hettinger
	Allen L. Schmalenberger, Dickinson

SOURCE: North Dakota State Bar Board, 1987 Directory of Judges and Attorneys.

* Denotes presiding judge of the District.

TABLE 17.15

NORTH DAKOTA COUNTY LEGAL OFFICIALS, 1987

County	County Seat	Clerk of District Court	States Attorney
Adams	Hettinger 58639	Norma Simpa	T.L. Secrest
Barnes	Valley City 58072	Evelyn Geiger	Carol S. Nelson
Benson	Minnewaukan 58351	Lana Johnson	Michael N. Steffan
Billings	Medora 58645	Joy V. Chase	Jay Brovold
Bottineau	Bottineau 58318	Robert Indvik	Jeanne L. McLean
Bowman	Bowman 58623	Evelyn Bolte	Steven J. Wild
Burke	Bowbells 58721	Susan Olson	Jeffrey J. Peterson
Burleigh	Bismarck 58502	Marian Barbie	Patricia L. Burke
Cass	Fargo 58108	Dorothy Howard	Robert G. Hoy
Cavalier	Langdon 58249	Beverly J. Gellner	Cameron D. Sillers
Dickey	Ellendale 58436	Marie Schlenker	Daniel G. Diemert
Divide	Crosby 58730	Shirley Peterman	M. W. Stefonowicz
Dunn	Manning 58642	Pamela Hendricks	Joseph H. Kubik
Eddy	New Rockford 58356	W. Jane Dunham	Robert E. Manly
Emmons	Linton 58552	A.P. Schmidt	F.C. Rohrich
Foster	Carrington 58421	Shearn Hirsoh	Fabian E. Noack
Golden Valley	Beach 58621	Marian M. Schatz	Charles J. Peterson
Grand Forks	Grand Forks 58201	LaVonne Sigdahl	James T. Odegard
Grant	Carson 58529	Andy Klein	Phyllis A. Ratcliffe
Griggs	Cooperstown 58425	Lillie Sirenson	James W. Wold
Hettinger	Mott 58646	Thomas Friedt	David H. Crane
Kidder	Steele 58482	Kathleen Mullen	Jerome Renner
LaMoure	LaMoure 58458	LeNoma Nannenga	Ronald G. Splitt
Logan	Napoleon 58561	Dennis D. Schulz	Gerald A. Kuhn
McHenry	Towner 58788	Arlen Merbach	Lyle G. Witham
McIntosh	Ashley 58413	Gideon Becker	Terry W. Elhard
McKenzie	Watford City 58854	Constance Bruins	Dennis E. Johnson
McLean	Washburn 58577	Mary Ann Anderson	Merle Torkelson
Mercer	Stanton 58571	Donna M. Buchmann	Alan K. Duppler
Morton	Mandan 58554	Kathy Marshall	Allen M. Koppy
Mountrail	Stanley 58784	Debra Nichols	Wade G. Enget
Nelson	Lakota 58344	Audrey I. Swanke	Douglas C. Manbeck
Oliver	Center 58530	Harold M. Albers	John J. Mahoney
Pembina	Cavalier 58220	Bernice E. Bernhoft	Laurie A. Cook
Pierce	Rugby 58368	Alice Koble	Charles D. Orvik
Ramsey	Devils Lake 58301	Vicki L. Haman	Lewis C. Jorgenson
Ransom	Lisbon 58054	Valorie Lukes	Wayne P. Jones
Renville	Mohall 58761	Rueben Schoenberg	John Patrick Brendel
Richland	Wahpeton 58075	Lorraine D. Larson	Earle R. Myers, Jr.
Rolette	Rolla 58367	Greta Monette	Mary K. O'Donnell

TABLE 17.15--Continued

County	County Seat	Clerk of District Court	States Attorney
Sargent	Forman 58032	Patricia Carlen	Lyle R. Bopp
Sheridan	McClusky 58463	Joyce Dockter	Walter M. Lipp
Sioux	Fort Yates 58538	Deb Gullickson	Maury C. Thompson
Slope	Amidon 58620	Anna J. Kathrein	Bruce Sellinger
Stark	Dickinson 58601	Paulette Reule	Owen K. Mehrer
Steele	Finley 58230	Ardell Lundberg	Jeffrey G. Klein
Stutsman	Jamestown 58401	Norine A. Knudson	Wendy P. Schulz
Towner	Cando 58324	Judith R. Hoffman	Lisa Gibbens
Traill	Hillsboro 58045	Howard Carver	Stuart A. Larson
Walsh	Grafton 58237	Dorothy Martell	Nicholas B. Hall
Ward	Minot 58701	Eldore Leier	Tom P. Slorby
Wells	Fessenden 58438	Beverly Larson	Vincent A. LaQua
Williams	Williston 58801	Mary M. Huber	Peter H. Furuseth

County	County Judge	Sheriff
Adams	F. Gene Gruber	M. Carroll
Barnes	Mike Simonson	R. Weber
Benson	James Bekken	N. Mitzel
Billings	Tom Beyer	D. Jurgens
Bottineau	Lester Ketterling	R. Hall
Bowman	F. Gene Gruber	R. Bangs
Burke	Robert Holte	R. McIntyre
Burleigh	B.Riskedal,G.Hagarty	B. Harvey
Cass	D. Cooke, C. Rothe	D. Rudnick
Cavalier	Thomas Metelmann	J. Peltier
Dickey	Gary Neuharth	W. Raugutt
Divide	Robert Holte	B. Strong
Dunn	Tom Beyer	L. Boepple
Eddy	James Bekken	E. Allmaras
Emmons	Donavin Grenz	A. Sauter
Foster	James Bekken	J. Dunn
Golden Valley	Tom Beyer	D. Huso
Grand Forks	Frank Kosanda	J. Schroeder
Grant	Thomas Schneider	R. Eli
Griggs	Jonal Uglem	P. Hendrickson
Hettinger	F. Gene Gruber	B. Norton
Kidder	Donavin Grenz	G. Knudson
LaMoure	Gary Neuharth	L. Edmond
Logan	Donavin Grenz	S. Englehardt
McHenry	John McClintock	B. Ullom

TABLE 17.15--Continued

County	County Judge	Sheriff
McIntosh	D. Grenz	M. Wiest
McKenzie	William McLees, Jr.	P. Larson
McLean	O.A. Schulz	A. Thompson
Mercer	O.A. Schulz	R. Kessler
Morton	Thomas Schneider	L. Snider
Mountrail	Robert Holte	K. Halvorson
Nelson	Jonal Uglem	A. Varty
Oliver	O.A. Schulz	G. Albers
Pembina	T. Metelmann	J. Martindale
Pierce	John McClintock	D. Lundrickson
Ramsey	Donovan Foughty	P. Horner
Ransom	Lowell Tjon	C. Dupree
Renville	Lester Ketterling	R. Thomas
Richland	Bayard Lewis	H. Muchler
Rolette	Lester Ketterling	B. Muehler
Sargent	Lowell Tjon	A. Borgloff
Sheridan	O.A. Schulz	A. Schatz
Sioux	Thomas Schneider	M. Utter
Slope	F. Gene Gruber	P. Lorge
Stark	R. Hilden	J. Rice
Steele	Jonal Uglem	G. Johnson
Stutsman	H. Herseth	D. Orr
Towner	D. Foughty	H. Soderberg
Traill	Jonal Uglem	R. Fisher
Walsh	T. Metelmann	J. Pederson
Ward	G. Holum	A. Anderson
Wells	James Bekken	C. Pellett
Williams	G. Thompson	S. Lyson

SOURCE: North Dakota State Bar Board, 1987 North Dakota Directory of Judges and Attorneys and information supplied by Grand Forks Sheriff's Department.

TABLE 17.16

LICENSED ATTORNEYS BY NORTH DAKOTA COUNTY, AS OF JUNE 1987

County	Licensed Attorneys	County	Licensed Attorneys
Adams	5	Mountrail	11
Barnes	14	Nelson	3
Benson	1	Oliver	3
Billings	1	Pembina	12
Bottineau	8	Pierce	7
Bowman	6	Ramsey	25
Burke	2	Ransom	6
Burleigh	279	Renville	1
Cass	307	Richland	25
Cavalier	6	Rolette	6
Dickey	7	Sargent	2
Divide	3	Sheridan	2
Dunn	1	Sioux	0
Eddy	6	Slope	0
Emmons	6	Stark	46
Foster	4	Steele	3
Golden Valley	3	Stutsman	26
Grand Forks	166	Towner	5
Grant	4	Traill	9
Griggs	2	Walsh	17
Hettinger	6	Ward	81
Kidder	3	Wells	5
LaMoure	4	Williams	51
Logan	1		
McHenry	4		
McIntosh	5	Total Resident	1,255
McKenzie	6	Total Non-Resident	226
McLean	9		
Mercer	9		
Morton	31		

SOURCE: North Dakota State Bar Board, 1987 North Dakota Directory of Judges and Attorneys.

18.00

PUBLIC LANDS, PARKS, RECREATION, AND TRAVEL

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TABLE 18.02

FEDERALLY OWNED LAND: NORTH DAKOTA ACREAGE BY AGENCY
FISCAL YEAR 1984

Agency	Public Domain	Acquired	Total
Agricultural Research Service	--------	1,129.9	1,129.9
Forest Service	106,575.0	998,970.0	1,105,545.0
Energy Research & Development Admin.	--------	8.3	8.3
Western Area Power Admin.	--------	313.7	313.7
General Services Admin.	--------	60.5	60.5
Health Services Admin.	--------	11.5	11.5
Social Security Admin.	--------	0.5	0.5
Bureau of Indian Affairs	--------	762.1	762.1
Bureau of Land Management	60,198.0	--------	60,198.0
Bureau of Reclamation	405.8	9,683.4	10,089.2
Fish & Wildlife Service	12,459.7	404,678.0	417,137.7
National Park Service	10,444.5	60,612.3	71,056.8
Immigration & Naturalization	--------	7.9	7.9
Federal Aviation Admin.	--------	467.9	467.9
U.S. Coast Guard	--------	4.2	4.2
Bureau of Customs	--------	36.8	36.8
U.S. Postal Service	--------	6.9	6.9
Veteran's Admin.	--------	59.3	59.3
Corps of Engineers	10,277.0	540,799.5	559,076.5
Air Force	--------	12,347.0	12,347.0
Army	--------	626.0	626.0

SOURCE: U.S. Dept. of the Interior, Bureau of Land Management, Public Land Statistics, 1984.

TABLE 18.01

COMPARISON OF FEDERALLY OWNED LAND WITH TOTAL ACREAGE OF STATES
FISCAL YEAR 1985

State	Acreage Owned By The Federal Government			Acreage Not Owned By Federal Government	Total Acreage Of State	Percent Owned By Government[a]
	Public Domain	Acquired By Other Methods	Federal Total			
Alabama	28,250.2	1,185,699.9	1,213,950.1	31,464,449.9	32,678,400.0	3.715
Alaska	311,972,453.1	1,616,731.3	313,589,184.4	51,892,415.6	365,481,600.0	85.802
Arizona	31,312,412.8	794,373.0	32,106,785.8	40,581,214.2	72,688,000.0	44.171
Arkansas	1,076,726.3	2,389,323.2	3,466,049.5	30,133,310.5	33,599,360.0	10.316
California	43,871,494.6	4,137,093.3	48,008,587.9	52,198,132.1	100,206,720.0	47.910
Colorado	22,768,592.6	1,395,944.5	24,164,537.1	42,321,222.9	66,485,760.0	36.345
Connecticut	------------	14,236.0	14,236.0	3,121,124.0	3,135,360.0	0.454
Delaware	------------	40,424.4	40,424.4	1,225,495.6	1,265,920.0	3.193
District of Columbia	8.6	10,914.3	10,922.9	28,117.1	39,040.0	27.979
Florida	389,341.3	3,871,193.8	4,260,535.1	30,460,744.9	34,721,280.0	12.271
Georgia	------------	2,303,778.4	2,303,778.4	34,991,581.6	37,295,360.0	6.177
Hawaii	256,340.4	455,359.3	711,699.7	3,393,900.3	4,105,600.0	17.335
Idaho	32,907,100.6	839,905.2	33,747,005.8	19,186,114.2	52,933,120.0	63.754
Illinois	409.2	659,737.7	660,146.9	35,135,053.1	35,795,200.0	1.844
Indiana	432.0	590,624.2	591,056.2	22,567,343.8	23,158,400.0	2.552
Iowa	340.8	228,698.6	229,039.4	35,631,440.6	35,860,480.0	0.639
Kansas	45,010.3	679,958.0	724,968.3	51,785,751.7	52,510,720.0	1.381
Kentucky	------------	1,438,180.9	1,438,180.9	24,074,139.1	25,512,320.0	5.637
Louisiana	21,936.0	1,228,282.7	1,250,218.7	27,617,621.3	28,867,840.0	4.331
Maine	------------	144,088.6	144,088.6	19,703,591.4	19,847,680.0	0.726
Maryland	------------	201,640.5	201,640.5	6,117,719.5	6,319,360.0	3.191
Massachusetts	------------	95,213.0	95,213.0	4,939,667.0	5,034,880.0	1.891
Michigan	295,553.0	3,232,630.9	3,528,183.9	32,963,976.1	36,492,160.0	9.668
Minnesota	1,183,223.3	2,274,179.1	3,457,402.4	47,748,357.6	51,205,760.0	6.752
Mississippi	2,447.1	1,771,297.2	1,773,744.3	28,448,975.7	30,222,720.0	5.869
Missouri	2,847.3	2,223,952.2	2,226,799.5	42,021,520.5	44,248,320.0	5.033
Montana	25,204,993.9	2,411,824.9	27,616,818.8	65,654,221.2	93,271,040.0	29.609
Nebraska	248,418.1	469,023.4	717,441.5	48,314,238.5	49,031,680.0	1.463
Nevada	59,721,953.6	273,667.4	59,995,621.0	10,268,699.0	70,264,320.0	85.386
New Hampshire	1.0	740,413.3	740,414.3	5,028,545.7	5,768,960.0	12.835

TABLE 16.01--Continued

State	Acreage Owned By The Federal Government			Acreage Not Owned By Federal Government	Total Acreage Of State	Percent Owned By Government[a]
	Public Domain	Acquired By Other Methods	Federal Total			
New Jersey	5.4	179,721.4	179,726.8	4,633,713.2	4,813,440.0	3.734
New Mexico	22,617,158.7	3,857,258.3	26,474,417.0	51,291,983.0	77,766,400.0	34.044
New York	14,691.1	272,025.0	286,716.1	30,394,243.9	30,680,960.0	0.935
North Carolina	------------	2,422,508.3	2,422,508.3	28,980,371.7	31,402,880.0	7.714
North Dakota	255,932.7	2,108,994.5	2,364,927.2	42,087,552.8	44,452,480.0	5.320
Ohio	65.0	378,067.5	378,132.5	25,843,947.5	26,222,080.0	1.442
Oklahoma	88,938.5	1,567,441.0	1,656,379.5	42,431,300.5	44,087,680.0	3.757
Oregon	28,171,237.0	1,938,974.6	30,110,211.6	31,488,508.4	61,598,720.0	48.881
Pennsylvania	------------	700,783.5	700,783.5	28,103,696.5	28,804,480.0	2.433
Rhode Island	------------	7,562.8	7,562.8	669,557.2	677,120.0	1.117
South Carolina	------------	1,194,672.6	1,194,672.6	18,179,407.4	19,374,080.0	6.166
South Dakota	1,604,061.1	1,564,622.5	3,168,683.6	45,713,236.4	48,881,920.0	6.482
Tennessee	------------	2,140,325.1	2,140,325.1	24,587,354.9	26,727,680.0	8.008
Texas	230.8	3,825,232.8	3,825,463.6	164,392,136.4	168,217,600.0	2.274
Utah	30,944,827.8	1,389,166.9	32,333,994.7	20,362,965.3	52,696,960.0	61.358
Vermont	------------	322,478.4	322,478.4	5,614,161.6	5,936,640.0	5.432
Virginia	------------	2,457,064.0	2,457,064.0	23,039,256.0	25,496,320.0	9.637
Washington	10,439,668.1	2,683,375.6	13,123,043.7	29,570,716.3	42,693,760.0	30.738
West Virginia	------------	1,215,551.0	1,215,551.0	14,195,009.0	15,410,560.0	7.888
Wisconsin	11,012.6	1,896,636.3	1,907,648.9	33,103,551.1	35,011,200.0	5.449
Wyoming	30,729,845.0	656,952.9	31,386,797.9	30,956,242.1	62,343,040.0	50.345
Total	656,187,959.9	70,497,804.2	726,685,764.1	1,544,657,595.9	2,271,343,360.0	31.994

SOURCE: Bureau of Land Management, Public Land Statistics, 1986.

[a] Excludes trust properties.

Note - This table represents the most current data available from the General Services Administration.

TABLE 18.03

PUBLIC LAND ACREAGE UNDER THE JURISDICTION OF THE BUREAU OF LAND MANAGEMENT BY NORTH DAKOTA COUNTY, JULY 1987

County	Acreage	County	Acreage
Adams	40	McIntosh	213
Barnes	5	McKenzie	1,629
Benson	89	McLean	599
Billings	680	Mercer	459
Bowman	32,580	Morton	199
Burleigh	863	Mountrail	1,037
Cavalier	239	Oliver	112
Divide	1,666	Pierce	166
Dunn	15,989	Renville	78
Eddy	54	Sheridan	378
Emmons	599	Stutsman	80
Golden Valley	2,358	Walsh	11
Grand Forks	40	Ward	266
Grant	584	Williams	1,321
Kidder	1,520		
Logan	523	NORTH DAKOTA	67,650
McHenry	3,233		

SOURCE: U.S. Dept. of Interior, Bureau of Land Management, Final North Dakota Resource Management Plan and Environmental Impact Statement, July, 1987.

TABLE 18.04

UNITED STATES FOREST SERVICE NET ACREAGE BY NORTH DAKOTA COUNTY, FISCAL YEAR, 1987

County	Public Domain	Acquired*	Total
Billings	26,856	263,210	290,066
Golden Valley	3,199	93,143	96,342
Grant		480	480
McKenzie	67,196	436,048	503,157
McHenry		751	751
Ransom		42,062	42,062
Richland	40	28,078	28,118
Sioux		6,237	6,237
Slope	9,284	129,073	138,357
NORTH DAKOTA	106,575	999,082	1,105,599

SOURCE: U.S. Forest Service, North Dakota Office, Bismarck.

* Bankhead Jone Farm Tenant Act.

TABLE 18.05

UNITED STATES ARMY CORPS OF ENGINEERS LAND ACREAGE IN NORTH DAKOTA

Site Name	Total Acres	County
Ashtabula Crossing	34	Barnes
Badger Bay Area	14	Emmons
Bear Den Creek	35	Dunn
Beaver Creek Area	390	Emmons
Beulah Bay Recreation Area	103	Mercer
Bowman Haley Dam	1583	Bowman
Cannonball Area	5	Grant
Coleharbor	135	McLean
Deepwater Creek	6	McLean
Douglas Creek WMA & Rec. Area	417	McLean
Downstream Public Use Area	502	McLean
East Abutment Overlook	205	McKenzie
Eggert's Landing	28	Burleigh
Fort Yates Area	10	Emmons
Four Bears	153	Mercer
General Sibley Park	165	Barnes
Hazelton Area	90	Walsh
Hazen Bay Area	45	Mercer
Highway 26-Lake Ashtabula	27	Barnes
Homme Recreation Area	94	Walsh
Intake Area	109	Mercer
Katie Olson Landing	11	Barnes
Keye's Crossing	4	Barnes
Little Heart Area	10	Morton
Lost Bridge	40	Dunn
Main Public Use	70	Barnes

TABLE 18.05--Continued

Site Name	Total Acres	County
McKenzie Bay	330	Dunn
Parkhurst Recreation Area	503	Stutsman
Parshall Bay	52	Mountrail
Pipestem Dam	880	Stutsman
Pouch Point Bay	17	McLean
Red Butte Bay	56	Mercer
Government Bay	810	McLean
Roughrider Orv Area	195	McLean
Sugarloaf Bottoms	10	Morton
Sundstrom's Landing	9	Barnes
Tailwaters	325	McLean
Tobacco Gardens	190	McKenzie
Totten Trail	153	McLean
Trenton Area	90	Williams
Twin Buttes	44	Mercer
Van Hook	46	Mountrail
Winona Bay Area	300	Emmons
Wolf Creek WMA & Rec. Area	101	McLean
Spillway Overlook	15	McLean
Little Missouri (Slaters)	207	Dunn
Little Beaver Bay	212	Williams
White Tail	148	Williams
Raums Recreation Area	119	McKenzie

SOURCE: North Dakota Parks and Recreation Department.

TABLE 18.06

UNITED STATES FISH AND WILDLIFE SERVICE NATIONAL WILDLIFE REFUGES: ACREAGE BY NORTH DAKOTA STATE PLANNING REGION AND COUNTY*

Region\County	Refuge	Acres Owned	Acres Leased or Easement
Region 1			
Williams	Lake Zahl	3,219	604
Region 2			
Ward	Hiddenwood		200
Burke-Ward	Des Lacs	14,069	5,475
Burke-Mountrail	Lostwood	24,810	
Mountrail	Shell Lake	710	1,125
Renville-Ward	Upper Souris	32,088	4
Bottineau	Lords Lake		1,915
Bottineau-McHenry	J. Clark Salyer	58,693	
McHenry	Wintering River		239
McHenry	Cottonwood Lake		1,013
Pierce	Buffalo Lake	27	2,070
Region 3			
Rolette	Rabb Lake		568
Rolette	School Section Lake		680
Rolette	Willow Lake	1	2,621
Towner	Rock Lake		5,507
Towner	Brumba		1,977
Towner	Snyder		1,550
Benson	Sullys Hill	1,674	
Benson	Pleasant Lake		898
Benson	Wood Lake		280
Benson	Silver Lake		3,348
Eddy	Johnson Lake	4	2,003
Ramsey-Towner	Lake Alice	7,371	3,583
Region 4			
Walsh	Lake Ardoch	307	2,389
Nelson	Rose Lake		836
Nelson	Lambs Lake		1,207
Nelson	Stump Lake		27
Nelson	Johnson Lake	4	2,003
Grand Forks	Little Goose		288
Grand Forks	Kellys Slough	680	590
Region 5			
Richland	Lake Elsie		635
Sargent	Tewaukon	6,858	2,415
Sargent	Storm Lake	2	684
Sargent	Wild Rice Lake		779

TABLE 18.06--Continued

Region\County	Refuge	Acres Owned	Acres Leased or Easement
Region 6			
Griggs	Sibley Lake		1,077
Foster-Stutsman	Arrowwood	13,346	2,589
Stutsman	Chase Lake	4,385	
Stutsman	Halfway Lake		160
Barnes	Stoney Slough		880
Barnes	Tomahawk		440
Barnes	Hobert Lake	246	1,831
LaMoure	Bonehill Creek		640
Dickey	Maple River		712
Dickey	Dakota Lake		2,756
Region 7			
McLean	Audubon	14,739	
McLean	Hiddenwood		368
McLean	Camp Lake		585
McLean	Lost Lake		960
McLean	McLean Lake	344	416
McLean	Lake Nettie	2,421	634
McLean	Lake Otis		320
Sheridan	Sheyenne Lake		797
Burleigh-Kidder	Long Lake	13,749	8,588
Burleigh	Canfield Lake	3	310
Burleigh	Florence Lake	1,468	420
Kidder	Slade	3,000	
Kidder	Lake George	29	3,090
Kidder	Hutchinson Lake		479
Emmons	Appert Lake		908
Emmons	Sunburst Lake		328
Emmons	Springwater Lake		640
Grant	Pretty Rock		800
Region 8			
Dunn	Lake Ilo	3,197	836
Slope	Steward Lake	4	2,226
Slope	White Lake	1,040	
NORTH DAKOTA		208,488	81,303

SOURCE: U.S. Dept. of the Interior, Fish and Wildlife Service, Bismarck, mimeo.

* As of September 30, 1986.

TABLE 18.07

UNITED STATES FISH AND WILDLIFE SERVICE WATERFOWL PRODUCTION AREAS: ACREAGE BY NORTH DAKOTA STATE PLANNING REGION AND COUNTY*

Region/County		Acres	Region/County		Acres
NORTH DAKOTA		225,355			
Region 1	14,047		Region 5	18,967	
Divide		9,885	Steele		3,249
Williams		4,162	Traill		719
			Cass		3,106
			Ransom		4,152
Region 2	33,526		Richland		4,204
Burke		3,544	Sargent		3,537
Mountrail		7,146			
Renville		234			
Ward		5,691	Region 6	81,711	
Bottineau		2,150	Wells		5,884
McHenry		4,163	Foster		1,486
Pierce		10,598	Griggs		2,641
			Stutsman		23,068
			Barnes		6,587
Region 3	38,242		Logan		10,634
Rolette		5,020	LaMoure		4,800
Towner		2,481	McIntosh		17,402
Benson		8,506	Dickey		9,209
Cavalier		9,701			
Ramsey		7,874			
Eddy		4,660	Region 7	27,629	
			McLean		3,908
			Sheridan		7,214
Region 4	11,233		Burleigh		7,263
Pembina		2,179	Kidder		6,099
Walsh		1,399	Emmons		3,145
Nelson		3,053			
Grand Forks		4,602			
			Region 8	-----	

SOURCE: U.S. Dept. of the Interior, Fish and Wildlife Service, Area Office, Bismarck, mimeo.

* As of September 30, 1982.

Note: Refer to page 2 for map of North Dakota Planning and Development Regions.

TABLE 18.08

STATE PARK SERVICE LAND: LOCATION AND ACREAGE BY NORTH DAKOTA COUNTY

County	Name of Area	Acreage	Type of Area
Benson	Black Tiger Bay	26.00	All Seasons Park
Billings	Sully Creek Campground	88.00	Seasonal Park
Bottineau	Lake Metigoshe	1,200.00	All Seasons Park
Bottineau	Butte St. Paul	47.00	Seasonal Park
Bowman	Butte View Campground	50.00	Seasonal Park
Burleigh	Double Ditch	117.00	Seasonal Park
Cavalier	Walhalla	1,333.43	Primitive Grasslands
Dunn	Little Missouri Bay	5,923.53[1]	Seasonal Park
Grand Forks	Turtle River	815.00	All Seasons Park
Kidder	Streeter Memorial	62.90	Seasonal Park
Logan	Beaver Lake	93.00	All Seasons Park
McHenry	Smoky Lake	276.00	Primitive Grasslands
McIntosh	Doyle Memorial	21.20	Seasonal Park
McKenzie	Badlands	1,566.00	Primitive Grasslands
McLean	Fort Stevenson	438.00	All Seasons Park
Mercer	Lake Sakakawea	822.00[2]	All Seasons Park
Morton	Fort Lincoln	976.13	All Seasons Park
Morton	Highway Tract	157.34[2]	Primitive Grasslands
Mountrail	Crow Flies High	253.04	Seasonal Park
Oliver	Cross Ranch Nature Preserve	577.00	All Seasons Park
Pembina	Icelandic	840.94	All Seasons Park
Ramsey	East Bay Boat Access Area	22.00	Seasonal Park
Ransom	Fort Ransom	891.70	All Seasons Park
Ramsom	Strong Memorial	1.92	Memorial Site
Walsh	Williamson	NA	NA
Williams	Lewis and Clark	490.00[2]	All Seasons Park
Total		17,089.13	

SOURCE: North Dakota Parks and Recreation Department.

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[1] This includes 1,080.00 acres owned and 4,843.53 acres leased.

[2] Land leased by State Park Service.

TABLE 18.09

STATE FOREST SERVICE LAND: LOCATION AND ACREAGE
BY NORTH DAKOTA COUNTY

Name of Area	County	Acreage
Bottineau Nursery	Bottineau	125
Coppice Forest	McHenry	200
Dalen Primitive Campground	Bottineau	1,385
Hahn's Bay Recreation Area	Bottineau	150
Hartley-Boundary Prim. Area	Bottineau	554
Homen State Forest	Bottineau	2,310
Long Lake	Bottineau	1,059
Pelican-Sandy Recreation Area	Bottineau	792
Sheyenne State Forest	Ransom	613
Strawberry Lake Campground	Bottineau	2,101
Tetrault Woods	Pembina	430
Towner Campground	McHenry	160
Towner Nursery	McHenry	200
Turtle Mt. State Forest	Bottineau	2,536
Twisted Oaks Overlook	Bottineau	1,173
Vagabond Recreation Forest	McHenry	200
Listol Acquisition	Bottineau	310
TOTAL		14,370

SOURCE: North Dakota Parks and Recreation Department.

TABLE 18.10

NORTH DAKOTA GAME AND FISH DEPARTMENT WILDLIFE MANAGEMENT AREAS:
ACREAGE BY NORTH DAKOTA STATE PLANNING REGIONS AND COUNTY*

Region/County	Leased	Owned	Total Acres
Region 1 Total	14,065.76	1,934.80	16,000.56
Divide	--------	1,585.57	1,585.57
Williams	4,206.16	317.63	4,523.79
McKenzie	9,859.60	31.60	9,891.20
Region 2 Total	4,326.59	4,333.32	8,659.91
Burke	--------	465.93	465.93
Renville	--------	--------	--------
Bottineau	--------	2,032.10	2,032.10
Mountrail	4,326.59	320.00	4,646.59
Ward	--------	40.00	40.00
McHenry	--------	515.34	515.34
Pierce	--------	959.95	959.95
Region 3 Total	650.00	15,644.20	16,294.20
Rolette	10.00	7,061.02	7,071.02
Towner	--------	343.10	343.10
Cavalier	640.00	5,293.39	5,933.39
Ramsey	--------	375.18	375.18
Benson	--------	1,039.80	1,039.80
Eddy	--------	1,531.71	1,531.71
Region 4 Total	--------	8,235.25	8,235.25
Pembina	--------	3,566.95	3,566.95
Walsh	--------	418.82	418.82
Nelson	--------	1,098.96	1,098.96
Grand Forks	--------	3,150.52	3,150.52
Region 5 Total	--------	9,185.85	9,185.85
Steele	--------	1,299.44	1,299.44
Traill	--------	--------	--------
Cass	--------	1,133.90	1,133.90
Richland	--------	3,817.93	3,817.93
Ransom	--------	821.16	821.16
Sargent	--------	2,113.42	2,113.42
Region 6 Total	--------	11,478.78	11,478.78
Wells	--------	1,516.19	1,516.19
Foster	--------	160.00	160.00
Griggs	--------	102.90	102.90
Stutsman	--------	142.87	142.87
Barnes	--------	1,786.51	1,786.51
Logan	--------	597.80	597.80
LaMoure	--------	2,294.56	2,294.56
McIntosh	--------	2,121.53	2,121.53
Dickey	--------	2,756.42	2,756.42

TABLE 18.10--Continued

Region/County	Leased	Owned	Total Acres
Region 7 Total	58,328.06	13,533.33	71,861.39
McLean	25,155.71	812.95	25,968.66
Sheridan	--------	--------	--------
Mercer	3,287.43	2,018.56	5,305.99
Oliver	--------	726.91	726.91
Burleigh	8,130.62	2,112.71	10,243.33
Kidder	--------	4,049.61	4,049.61
Morton	5,628.70	3,193.29	8,821.99
Grant	5,499.60	320.00	5,819.60
Sioux	--------	299.30	299.30
Emmons	10,626.00	--------	10,626.00
Region 8 Total	--------	9,140.28	9,140.28
Golden Valley	--------	111.78	111.78
Billings	--------	--------	--------
Dunn	--------	6,731.00	6,731.00
Stark	--------	--------	--------
Slope	--------	977.60	977.60
Hettinger	--------	1,173.57	1,173.57
Bowman	--------	--------	--------
Adams	--------	146.33	146.33
North Dakota	77,370.41	73,485.81	150,856.22

SOURCE: Data supplied by North Dakota Game and Fish Department.

* As of January 1, 1983. Refer to page 2.

TABLE 18.11

STATE SCHOOL LAND ACREAGE BY NORTH DAKOTA COUNTY, JUNE 30, 1987

County	Surface Acres	County	Surface Acres
NORTH DAKOTA	712,456.39		
Adams	17,082.16	Mountrail	32,533.89
Barnes	2,798.09	Nelson	2,853.66
Benson	10,989.98	Oliver	7,661.62
Billings	31,150.53	Pembina	---------
Bottineau	2,754.15	Pierce	14,317.17
Bowman	29,281.58	Ramsey	2,056.50
Burke	16,288.17	Ransom	1,120.00
Burleigh	30,120.87	Renville	1,911.00
Cass	40.00	Richland	593.68
Cavalier	596.47	Rolette	6,895.92
Dickey	4,543.77	Sargent	1,128.79
Divide	21,141.44	Sheridan	25,835.62
Dunn	26,735.36	Sioux	23,519.26
Eddy	10,280.70	Slope	23,626.78
Emmons	13,703.07	Stark	6,142.64
Foster	3,114.01	Steele	---------
Golden Valley	28,971.60	Stutsman	15,589.95
Grand Forks	2,073.77	Towner	8,079.95
Grant	33,483.95	Traill	---------
Griggs	1,741.24	Walsh	211.01
Hettinger	9,881.40	Ward	11,039.06
Kidder	28,637.79	Wells	5,088.65
LaMoure	1,440.00	Williams	38,831.65
Logan	9,394.07		
McHenry	22,144.94		
McIntosh	6,357.50		
McKenzie	64,984.50		
McLean	21,036.54		
Mercer	14,947.29		
Morton	18,368.73		

SOURCE: North Dakota Board of University and School Lands, *Forty-Seventh Biennial Report.*

TABLE 18.12

FACILITIES AVAILABLE AT NORTH DAKOTA STATE PARKS, 1988

Facilities	Black Tiger Bay	Fort Lincoln	Lake Sakakawea	Lewis and Clark	Fort Stevenson	Lake Metigoshe	Cross Ranch
Picnic Facilities		X	X	X	X	X	X
Primitive Campground		X	X	X	X	X	
Campgrounds		X	X	X	X	X	
Fishing (Shore)	X	X	X	X	X	X	X
Swimming (Beach)	X		X	X	X	X	
Swimming (Pool)							
Boating Facilities		X	X	X	X	X	X
Scenic Drives		X	X		X	X	X
Hiking Trails		X	X	X	X	X	X
Bike Trails		X	X	X	X	X	
Downhill Skiing							
Equestrian Activities		X				X	
Ice Fishing		X	X	X	X	X	
Snowmobiling		X	X	X	X	X	
Cross Country Skiing		X	X		X	X	X

TABLE 18.14

NORTH DAKOTA HISTORIC SITES LISTED IN THE CENTURY CODE REGISTER, LOCATION AND ACREAGE; 1987

Name of Site	Acreage	County
Writing Rock	10.00	Divide
Fort Buford*	36.53	Williams
David Thompson	0.68	McHenry
International Peace Garden	888.00	Rolette
St. Claude	40.00	Rolette
Palmer's Spring	2.83	Benson
Fort Totten*	9.23	Benson
Brenner Crossing	0.25	Eddy
Gingras Trading Post*	1.18	Pembina
Kittson Trading Post	5.88	Pembina
Charboillez Trading Post	3.50	Pembina
Oak Lawn Church	0.55	Pembina
Pembina	3.55	Pembina
Sweden	0.01	Walsh
Buffalo Creek Campsite	0.12	Cass
Maple Creek Crossing	0.38	Cass
Fort Abercrombie	21.95	Richland
Camp Buell	0.50	Sargent
Fort Ransom	6.42	Ransom
Standing Rock	0.01	Ransom
Whitestone Hill Battlefield	66.00	Dickey
Hudson Town	1.50	Dickey
Camp Arnold	0.10	Barnes
Camp Corning	0.30	Barnes
Camp Sheardown	0.03	Barnes
Birch Creek Campsite	1.00	Barnes
Wadeson	1.00	Barnes
Camp Weiser	0.03	Barnes
Lake Johnson	0.04	Griggs
Camp Atchison	0.60	Griggs
Lake Jessie	0.29	Griggs
Camp Kimball	0.13	Foster
Camp Grant	1.00	Stutsman
Fort Seward	3.56	Stutsman
McPhails Butte	0.32	Kidder

TABLE 18.14--Continued

Name of Site	Acreage	County
Burman Historic Site	0.01	Kidder
Camp Whitney	4.00	Kidder
Chaska Site	0.05	Burleigh
Menoken Indian Village**	13.71	Burleigh
Camp Hancock*	0.92	Burleigh
Former Executive Manson*	0.52	Burleigh
Steamboat Warehouse	3.21	Burleigh
Double Ditch Indian Village*	37.00	Burleigh
Fort Mandan	30.47	McLean
Fort Clark	46.93	Mercer
Crowley Flint Quarry	2.35	Mercer
Molander Indian Village	12.00	Oliver
Huff Indian Village*	14.00	Morton
Fort Rice	7.00	Morton
Bismarck-Deadwood Stage Trail	0.06	Morton
Fort McKeen	NA	Morton
Fort Abraham Lincoln	NA	Morton
Slant Indian Village	NA	Morton
Sitting Bull Grave Site	5.00	Sioux
Cannonball Stage Station	2.50	Grant
Medicine Rock	0.60	Grant
Sully Corral	5.02	Stark
Killdeer Battlefield	1.00	Dunn
Fort Dilts*	8.25	Bowman
Chateau de Mores*	124.99	Billings
Demores Packing Plant*	0.01	Billings

SOURCE: North Dakota State Historical Society, 1987.

* On the National Register of Historic Places.

** On the National Register of Historic Landmarks.

TABLE 18.15--Continued

County	Total Acres	Surface Water Acres	Miles of Hiking Trails	Camping		
				Acres	Tent Sites	Trailer Sites
Mountrail	110,775	96,501	---	---	163	90
Nelson	8,268	529	19.0	37	56	113
Oliver	5,915	5,141	8.0	2	---	0
Pembina	7,673	382	9.0	72	66	126
Pierce	14,036	488	1.0	16	8	0
Ramsey	55,022	39,171	5.0	309	34	164
Ransom	48,493	210	15.0	15	41	25
Renville	26,240	9,805	---	---	10	12
Richland	41,731	2,230	16.0	12	26	26
Rolette	22,466	4,764	5.0	111	42	49
Sargent	15,438	1,651	6.0	14	19	33
Sheridan	8,455	*	1.0	---	---	2
Sioux	25,220	24,535	---	3	---	---
Slope	142,763	484	*	1	---	0
Stark	9,360	4,319	---	55	204	135
Steele	5,409	1,223	1.0	15	7	5
Stutsman	50,749	5,230	3.0	52	327	188
Towner	13,155	281	---	10	75	66
Traill	1,210	110	---	17	32	60
Walsh	5,663	769	1.0	31	3	52
Ward	29,989	2,659	13.0	113	62	37
Wells	8,681	649	2.0	43	40	24
Williams	55,295	40,433	1.0	13	39	64

SOURCE: North Dakota Parks and Recreation Department, 1979.

* Facilities available, but without size designation.

TABLE 18.16

ESTIMATED ECONOMIC EFFECTS OF TRAVEL IN THE UNITED STATES AND NORTH DAKOTA, 1985

Travel	United States 1985	North Dakota 1985
Domestic Travel Expenditures ($ Million)	242,443.0	648.0
Travel-Generated Business Receipts ($ Million)	234,452.4	633.3
Travel-Generated Employment (Thousands of Jobs)	4,759.3	15.3
Public Transportation	567.3	1.3
Auto Transportation	220.9	1.4
Lodging	892.7	2.6
Food	2,206.3	7.4
Entertainment and Recreation	502.2	1.6
General Retail Trade	217.0	0.8
Travel Arrangement	152.9	0.2
Travel-Generated Payroll ($ Million)	51,974.5	113.7
Travel-Generated Tax Receipts ($ Millions)	20,261.0	66.0

SOURCE: U.S. Travel Data Center, The Impact of Travel on State Economies, 1985. Two Lafayette Center, 1133 21st Street, N.W., Washington, D.C. 20036.

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TABLE 18.12--Continued

Facilities	Icelandic	Turtle River	Fort Ransom	Beaver Lake	Little Missouri Bay	Sully Creek	East Bay
Picnic Facilities	X	X	X	X	X	X	
Primitive Campground	X	X	X	X	X	X	
Campgrounds	X	X	X	X		X	
Fishing (Shore)	X		X	X			X
Swimming (beach)	X			X			
Swimming (Pool)		X					
Boating Facilities	X			X			X
Scenic Drives							
Hiking Trails	X	X	X	X	X	X	
Bike Trails		X	X				
Downhill Skiing							
Equestrian Activities		X			X	X	
Ice Fishing	X			X			X
Snowmobiling	X	X	X	X	X	X	X
Cross Country Skiing	X	X	X	X	X	X	X
Picnic Facilities	X	X	X	X	X	X	

SOURCE: North Dakota State Parks System Plan prepared for North Dakota State Parks and Recreation Department.

TABLE 18.13

NORTH DAKOTA STATE PARKS AND THEODORE ROOSEVELT NATIONAL PARK VISITATION, 1979-1986

State Park	1979	1980	1981	1982	1983	1984**	1985	1986
Fort Lincoln	133,833	159,375	143,509	144,414	148,817	150,334	166,673	188,654
Lake Metigoshe	128,000	110,000	100,000	104,000	111,044	100,382	65,746	92,790
Lake Sakakawea	122,908	145,147	180,075	196,693	199,290	177,501	168,840	197,062
Turtle River	135,676	130,937	133,744	129,030	132,564	133,470	110,602	131,765
Beaver Lake	21,064	22,962	16,209	17,309	16,430	16,765	14,746	15,483
Butte View	2,179	3,959	3,663	3,945	4,695	-------	-------	-------
Fort Stevenson	61,940	71,232	88,472	91,988	144,642	105,187	84,933	119,910
Icelandic	124,359	104,015	96,815	117,831	113,361	99,728	90,558	101,681
Lewis and Clark	100,115	113,812	114,809	114,947	108,589	73,868	61,534	46,894
Doyle Memorial	10,176	15,196	25,841	7,130	6,498	18,262	13,113	28,930
Little Missouri Bay	14,581	13,808	10,709	10,511	7,798	3,973	-------	-------
Streeter Memorial	8,950	5,996	16,233	11,636	4,590	3,700	-------	-------
Fort Ransom	*	3,000	3,500	11,974	13,862	13,946	20,681	30,665
Sully Creek	11,350	19,737	14,631	14,000	16,890	11,741	891	-------
State Park Totals	883,131	919,176	948,210	975,416	1,029,070	908,857	806,317	953,824
Theodore Roosevelt National Park	599,122	603,210	710,349	684,490	422,594	368,615	383,683	397,084

SOURCE: North Dakota Parks and Recreation Department and Theodore Roosevelt National Park.

* No visitation figures available

** 1984 figure adjusted compared to revenue

TABLE 10.15

NORTH DAKOTA OUTDOOR RECREATION FACILITIES BY COUNTY, 1985

County	Total Acres	Surface Water Acres	Miles of Hiking Trails	Camping Acres	Camping Tent Sites	Camping Trailer Sites
Adams	475	142	---	8	5	18
Barnes	13,182	1,220	8.0	479	205	161
Benson	17,715	2,170	4.0	68	18	7
Billings	370,263	---	60.0	56	330	122
Bottineau	44,235	8,194	48.0	87	147	163
Bowman	42,228	3,760	---	20	0	90
Burke	5,476	1,496	3.0	5	30	80
Burleigh	27,392	8,317	13.0	94	66	166
Cass	7,262	474	7.0	52	109	147
Cavalier	15,491	229	7.0	13	14	10
Dickey	17,880	1,199	6.0	14	7	8
Divide	11,802	130	---	---	---	8
Dunn	63,239	28,713	20.0	6	140	56
Eddy	7,374	594	6.0	15	1	0
Emmons	56,597	39,341	3.0	19	32	105
Foster	2,705	1,003	12.0	2	8	7
Golden Valley	99,369	157		---	1	0
Grand Forks	10,696	189	16.0	20	20	179
Grant	13,013	5,249	1.0	30	250	116
Griggs	4,536	151	4.0	---	41	6
Hettinger	1,566	206	1.0	---	22	10
Kidder	21,503	3,106	5.0	21	22	13
LaMoure	8,307	888	3.0	8	17	100
Logan	13,144	1,543	1.0	26	55	3
McHenry	12,908	2,073	20.0	19	24	19
McIntosh	21,796	2,678	7.0	6	17	1
McKenzie	597,084	53,841	35.0	23	138	74
McLean	136,265	93,039	18.0	98	251	205
Mercer	41,427	38,858	6.0	306	73	329
Morton	29,197	19,123	3.0	39	66	115

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